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VICTORIA · · · AUSTRALIA

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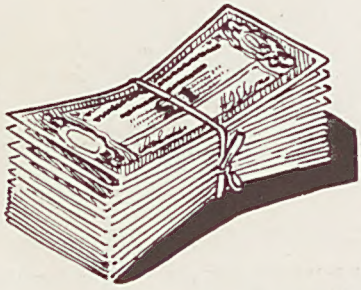

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Issued under the direction of the Hon. E. J. Hogan, M.L.A., Minister of Agriculture.

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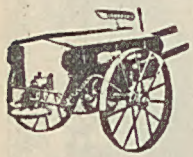

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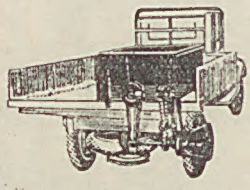

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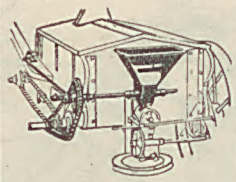

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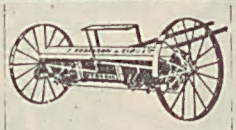

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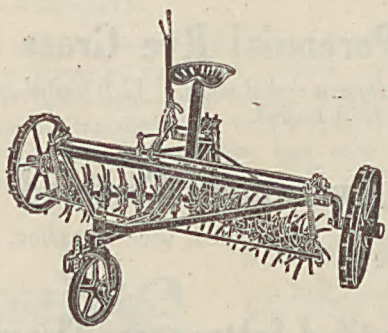

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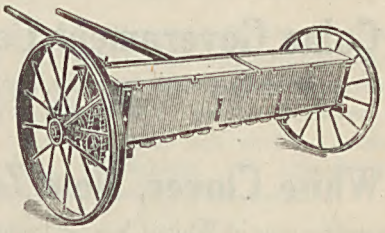

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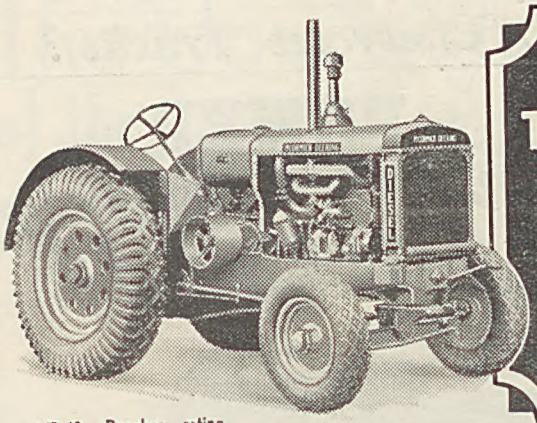

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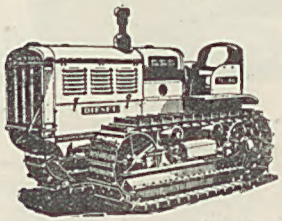

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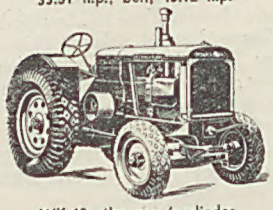
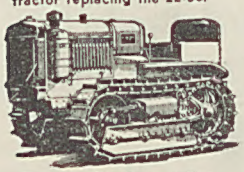


WK-40—the new 6-cylinder tractor replacing the 22-36.



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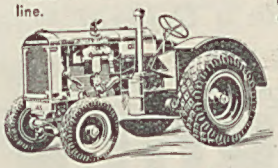
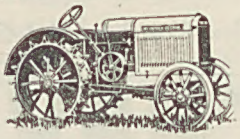
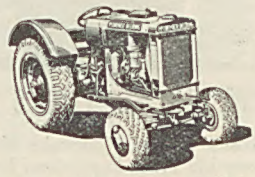


W-30 — Drawbar rating, 19.69 h.p.; belt, 31.31 h.p.



10-20 — Drawbar rating. 13.5 h.p.; belt, 21.6 h.p.



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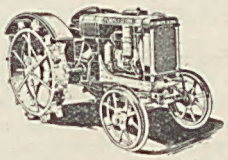
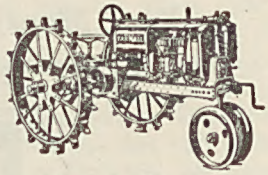


W-12 — Drawbar rating, 9.55 h.p.; belt, 13.88 h.p.



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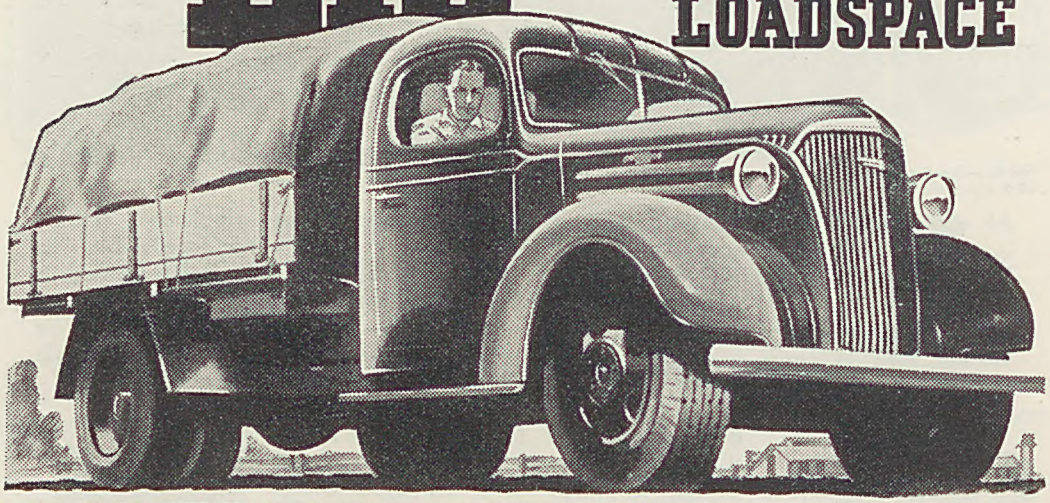

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The Journal of the DEPARTMENT of AGRICULTURE of VICTORIA

Some Recent Developments in New Zealand's Agriculture and their Application to Victoria

An address by Mr. H. A. Mullett, B.Agr.Sc., Director of Agriculture, at the 35th Annual Convention of the Chamber of Agriculture at Sale, April, 1937

A STUDY of the recent developments in agriculture throughout the world shows that every important agricultural country is actively engaged on a twofold problem—(*a*) increasing the efficiency of production by scientific means, and (*b*) perfecting the marketing machinery. In the former field of work special attention is being paid to improving the quality of the produce, and to reducing production costs. A recent authoritative world survey by the United States Department of Agriculture of the scientific work in progress in regard to wheat, shows that a vast amount of work is in progress in every country producing that crop, and that valuable results are being obtained. It illustrates the kind of work which is being pressed forward with most other crops.

For a number of years public attention in Australia has been focussed on the development of an efficient organization for marketing our produce. To this, the formation of Export Control Boards in dairy produce, canned fruits, dried fruits, and meat, the appointment of a number of Trade Commissioners, the gradual tightening of the export standards of quality, and the enactment of various Marketing Bills, all bear witness.

This public preoccupation in the important subject of marketing, which still continues as a result of the search for a means of overcoming the present defect in the Constitution with regard to interstate marketing is apt to produce a lack of balance in the national effort in the promotion of an efficient agricultural industry, and to result in a relative weakening of the effort directed to improving crop and stock production efficiency. The body of research and investigational data that has been accumulated is considerable, but the organization necessary to bring it before the producer has not kept pace with the present requirements.

A recent personal investigation of the organization of agriculture in New Zealand shows that in that Dominion a rather better balance exists. Side by side with far-reaching (if unorthodox) developments in marketing control, scientific research designed to increase the efficiency of production in the principal industries is being prosecuted with increasing vigor, and the results are being put into practice.

With a population smaller than that of Victoria by 300,000, the expenditure in New Zealand on agricultural research and the related advisory and regulatory services is considerably greater. In addition to the Department of Agriculture, on which the net expenditure, exclusive of subsidies, is £280,000 per annum, the Dominion supports a Council of Scientific and Industrial Research, and two University colleges devoted exclusively to agriculture, i.e., Massey College and Lincoln College, and a Dairy Research Institute. It also enjoys the service of the Cawthron Research Institute, privately endowed with a benefaction of £250,000. There is a numerically strong and

Lincoln College at Christchurch, New Zealand.

well-organized technically efficient field advisory service.

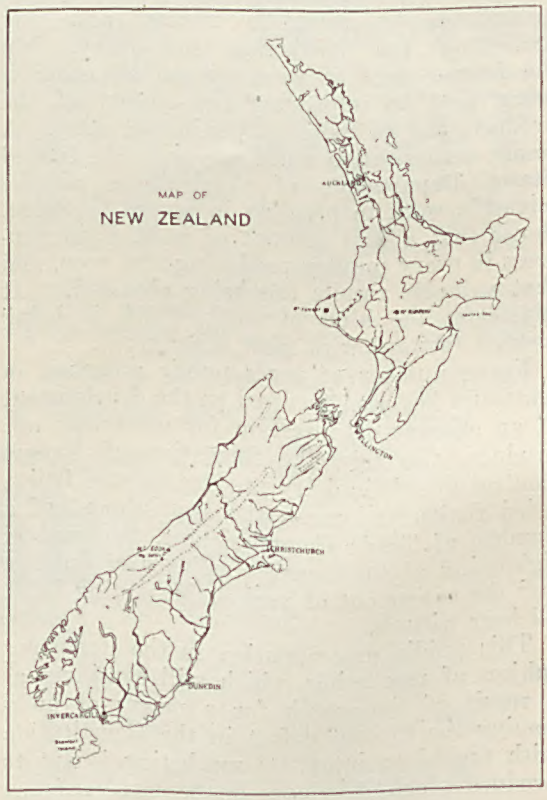
New Zealand is already a formidable competitor to Australia in the overseas markets. From an area only 15 per cent. larger than Victoria, more butter is exported than from the whole of Australia (2,789,000 cwt. against 2,344,000 in 1935-36), eleven times as much cheese (1,727,000 cwt. against 150,000 cwt.), and approximately twice as much mutton and lamb (3,204,000 cwt. against 1,751,000 cwt.). In addition, New Zealand exports as much wool as Victoria, and rather more than quarter as much as all Australia.

It is clear that she is determined to hold her relative position in the world's markets. Some substantial increases in production can be expected as further pumice lands are opened up, and as irrigation water is applied to the drier section in the South Island, including the Canterbury Plains, but the principal increases in quantity and quality may be expected from the land already occupied, and it is upon this that attention is largely concentrated.

Of the investigational and research work undertaken in New Zealand in recent years, that in pasture improvement, in dairy manufacture, and the type of service given breeders of sheep in respect of wool, are perhaps of most interest to producers in this State. On the field crop production side the extent to which field turnips are used to supplement winter grazing for sheep in the colder parts of New Zealand is of greatest practical interest.

There are 17,000,000 acres of sown pasture in New Zealand as compared with 2,500,000 acres in Victoria. In addition, there are 14,000,000 acres of native pastures, mostly tussock grass country, subject to snow in winter, and devoid of any other native vegetation. By contrast, the area under crop is only about 2,000,000 acres, of which 700,000 acres comprise root crops (turnips, mangels, and swedes) for autumn and winter feed for stock, and 575,000 acres of pasture cut for hay and ensilage.

As sown pastures constitute so great a proportion of New Zealand's farm land, a great deal of the research and extension activity has been concentrated upon their improvement. New Zealand, especially the North Island, is a splendid natural environment for English grasses. The rainfall in the North Island,



the principal dairying belt, is rarely anywhere lower than 40 inches; the summer distribution is more satisfactory than in southern Victoria, and the autumn flush of feed is most dependable. Pasture management there can be more systematized than here.

These natural advantages have not induced a feeling of "leave well alone." On the contrary, they are being exploited to the full. It is not the high carrying capacity on individual properties that impresses the visitor, but the uniformly high carrying capacity over whole districts; in fact, over the whole agricultural areas of the North Island.

Topdressing with phosphatic fertilizers is essential over the pumice country in the North Island, but is not confined to country of that type. Dairying lands are generally topdressed, sheep pastures less usually so. As only 2,500,000 acres are treated annually, New Zealand by no means has outstripped us in attention to that phase of pasture improvement. However, she has set a stiff pace over a number of other aspects of pasture establishment and management in the moister parts of the country.

Careful survey and test of New Zealand pastures some years ago established the superiority, under New Zealand conditions, of Hawke's Bay perennial rye-grass, White Dutch clover, of Akaroa cocksfoot, and of some other species. To ensure farmers securing the improved strains, a scheme providing for the marketing of the seed in original packages, and for their certification by officers of the Department of Agriculture was set up.

Seeds of these superior strains are widely sown in New Zealand, and an important export trade in the produce has been established. Last year 289,000 bushels of machine dressed rye grass, and 33,000 bushels of cocksfoot were certified. More recently the scheme has been extended to potatoes, with the object of eliminating virus disease. Last year 2,823 tons of seed potatoes for local use were certified as virus-free, and of satisfactory type. The average yield is now 5 tons per acre as compared with 2.5 tons per acre in Victoria, and is increasing.

By means of the certified strains the carrying capacity of the pastures has been lifted in an important degree, and the permanence of the species in suitable areas assured. In Victoria the certification of grass seeds was established on a permanent footing last year. Definitely superior strains of rye-grass and irrigation white clover exist here, but the producer needs awakening to their value to him

Typical pastoral scene, North Island, New Zealand.

Threshing perennial rye-grass, Hawke's Bay, New Zealand.

before an industry of any dimension can be built up, or before the State production as a whole can receive any substantial benefit.

A marked point of difference in pasture management, is the very general adoption of a system of modified rotational grazing, under which stock are concentrated in paddocks at a high rate per acre for a few days and then moved on to a fresh paddock. The intensive rigid system of rotational grazing advocated by some a few years ago has been greatly modified. Pasture renovation has been found not to be profitable, but dung spreading with light harrows is fairly general on dairy farms. There is no longer emphasis given to the "short bite" as formerly. Nitrogenous fertilizers are not now used on pastures to any considerable extent. "Topping" of pastures about to run to seed, in order to prolong their growing period, is a practice which is on the increase.

Except in the Taranaki district some sheep and lambs were noticed on most dairy farms. They are regarded as assisting in the maintenance of a satisfactory pasture, and in reducing the amount of labour necessary on a dairy farm. The general practice is to purchase aged ewes, ex station, and then, after rearing one or two lambs, to fatten the ewes for market. Romney Marsh cross ewes are the general preference, and these are mated to Southdown rams.

Foot rot is fairly prevalent, but is not regarded as an important hindrance to the keeping of sheep by the dairy farmer, but is stated to be readily amenable to early and systematic treatment. Pulpy kidney, although causing some loss, especially in the cooler districts, is not regarded as a serious problem.

The making of silage and grass hay is a general practice on dairy farms. Few silos of the overhead type common in Australia are used, as it is considered that their cost, and the cost of carting silage to them, is too great. Stack silage is made in the paddock where cut and sweep rakes are used to sweep the grass to the stack. Upon completion the stack is weighted with earth excavated nearby. In suitable locations the use of temporary pits for silage is common. Part of the popularity of silage is attributed to the frequency with which grass hay suffers rain damage.

On properties where sheep are kept it is customary to provide for the winter shortage

of feed which is most needed in the more southerly latitudes, by sowing root crops of swedes, soft turnips, and mangels. This crop is well worth the consideration of those who raise sheep on the more fertile soils in the colder parts of Victoria. Newer strains of soft turnips, such as Hardy Green Globe, are more resistant to aphis than older strains. They are sown at the rate of from 12 to 15 oz. to the acre, in rows from 14 to 21 inches apart, and with a liberal dressing of phosphatic fertilizer, yields of 30 tons to the acre are common. Sheep are paddocked on the crops during the autumn and winter, and do well, especially if given the run of a grass paddock. When the turnips are eaten down to ground level they are spring-toothed out to permit of easier access by the sheep.

On areas newly sown down to grass, it is the accepted practice to stock with dry cattle and sheep for a few years before dairying is seriously commenced. This is to secure the necessary soil consolidation and rubbish elimination. Where bracken fern is troublesome the crowding of dry stock on the area is an accepted treatment.

Pasture and research workers more recently have been concentrating upon the selection of further improved pasture strains, and upon the crosses between species, and there has been much preoccupation with the elimination of "bush sickness" in cattle, a disease which has

Crop of swedes, Otago, New Zealand. Yield, 96 tons 2 cwt. per acre from 12 acres (seeding 2 lbs. per acre).

Massey College at Hamilton, New Zealand.

Experimental butter and cheese factory and laboratories at the Dairy Research Institute, Massey College.

been shown to be due to a deficiency of cobalt in the soil derived from certain pumice eruptions, from granitic soils in Nelson country, and from soils of other origin.

At Palmerston North there is a large and well equipped Seed Testing Station available to producers and merchants desiring reports on the germination and purity of agricultural seeds.

Pasture improvement work represents New Zealand's greatest investigational effort to date, as judged by the extent to which improvement in the production capacity has been increased. The rapidity with which the improvement became general is impressive, and in no small measure is to be attributed to the very efficient staff of highly qualified departmental officers located in the country districts. There are 37 such officers located in eleven districts. Their functions are to stimulate local effort towards improved methods, to keep producers informed of the results of investigation and research, and generally to act as local farm advisers.

Apart from the private laboratories of the New Zealand Co-operative Dairy Company, and the Taranaki Federation of Co-operative Dairies, research into dairy manufacture is practically all centred at the Dairy Research Institute, Massey College, Hamilton. There, at a cost of approximately £7,000 per annum, provided half by the Dominion Government and half by the Dairy Export Control Board, laboratories are maintained at which the scientific and practical problems arising from the manufacture of butter and cheese are attacked. Food taints in cream and openness in cheese are at present under investigation, as well as the preparation of new types of cheese and types of butter for special trade.

In addition, a course for the instruction of dairy factory operatives is undertaken in association with Massey College. The Institute contains elaborate and complete equipment for the manufacture of butter and cheese on an experimental scale. The Institute, however, does not represent the completed scientific instrument which it is proposed to set up to assist the industry. The Royal Commission on Dairying, which thoroughly overhauled the dairying industry in 1934, recommended that the New Zealand Dairy Research Institute should be given status independent of any controlling body, such as the Council for Scientific and Industrial Research, or the Massey College Council, or the Export Control Board, but should be a body corporate, under a council, representing the Export Control Board, the Department of Agriculture, the Council of the Massey College, the Factory

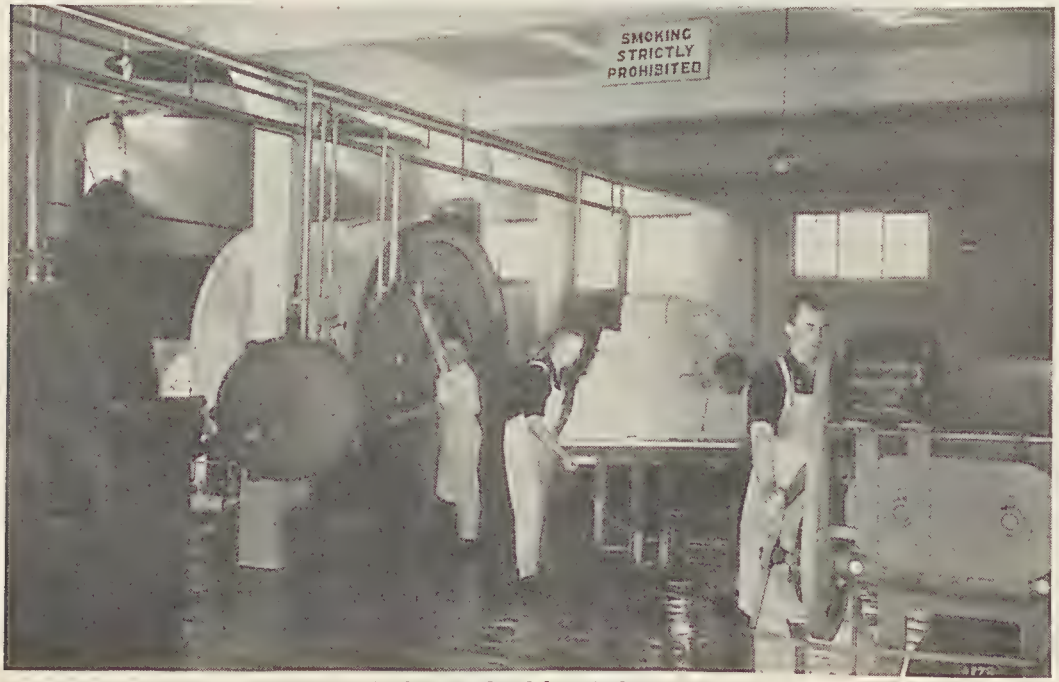
Managers Association, and the Council for Scientific and Industrial Research. Its proposed functions are to control and undertake all dairy research, and to test and set up standards in respect of dairy plant machinery and products used in the manufacture and storage of dairy produce, and to provide additional laboratories to service the dairy factories. It was estimated that the reorganized institute would cost £14,000 per annum initially, and later £25,000 per annum.

The Royal Commission referred to did not rely entirely upon unsupported sworn evidence, but considered the results of a number of special surveys that were made into the business side of dairy farming by the Department of Agriculture. In these surveys the costs of production of butterfat and cheese, the income earned by the producer, and the relation between the income and the type of farm conducted were ascertained and studied. These data formed the principal basis of the recommendation of the Royal Commission in many aspects and are used by the Department of Agriculture as the basis of its recommendations to dairy farmers as to modifications of dairy practice.

I regard similar surveys as of importance for the sound guidance of Victorian farming, not only in dairying, but in all forms of agriculture. The work in New Zealand was carried out by the resident district Field Advisory officers.

Research into wool is carried out at the Massey College. The elimination of hairiness in wool is at present the principal study. A service has been initiated under which the owner of any stud sheep may have his flock tested for the presence of hairiness, and the lines of blood in which hairiness is an hereditary character, determined. The test is a rapid one, and is dependent on the fact that, when immersed in benzol, hair fibre being hollow reflects light, while wool, being solid in the fibre, does not.

An apparatus has been installed which rapidly measures the amount of reflected light in samples tested, and from this the percentage of hairiness is determined. Last year 8,600 samples were treated. The service is of especial value to those studs prone to hairiness, especially Romney Marsh. No doubt, the newly constituted Wool Research Council of Australia will arrange similar facilities for such breeds as may require it.



A New Zealand butter factory.

The outstanding impression of my visit is that New Zealand is making a well-balanced effort to improve the quality of her produce and reduce the cost of production. This takes the form of an efficiently organized regulatory, research, and advisory services, supported by a well informed public opinion. The net expenditure on those services per head of population is considerably greater than it is in this State. Most impressive are the results that have been achieved in the development of New Zealand pastures and the production therefrom. An important factor in this development has been the rapidity with which new methods of pasture management have been disseminated throughout the Dominion, a result for which the district field advisory staff of the Department of Agriculture has been largely responsible.

Butter Production and Export

The following table shows :—

(*a*) Factory production of butter and cheese in Victoria for the period July, 1936, to February, 1937, compared with the corresponding period of 1935–36 ; and

(*b*) Quantities and percentages of various grades of bulk butter examined for export in Victoria from 1st July, 1936, to 27th March, 1937, in comparison with the corresponding period of 1935–36.

FACTORY PRODUCTION OF BUTTER AND CHEESE IN VICTORIA (QUANTITIES IN TONS).

Month.	Butter.		Cheese.	
	1936–37.	1935–36.	1936–37.	1935–36.
July to October	21,348	22,872	1,887	1,845
November	9,142*	10,136	818	681
December	8,848†	8,476	713*	579
January	7,872†	6,670	632†	483
February	5,855†	4,613	460†	334
Totals, 8 months	53,065	52,767	4,510	3,922

* Revised. † Subject to revision.

BULK BUTTER EXAMINED FOR EXPORT IN VICTORIA (QUANTITIES IN TONS).

Period.	1936–37. How Graded—				Total.	Period—	1935–36. How Graded—				Total.
	Ch.	1st.	2nd.	Pty.			Ch.	1st.	2nd.	Pty.	
1st July to 27th February ..	24,469	7,728	2,145	324	34,666	1st July to 29th February ..	21,625	10,872	2,518	358	35,373
1st to 27th March	1,308	896	262	67	2,533	1st to 28th March	551	597	189	40	1,377
Totals 1st July to 27th March ..	25,777	8,624	2,407	391	37,199	Totals 1st July to 28th March ..	22,176	11,469	2,707	398	36,750
Percentages ..	69·3	23·2	6·5	1·0	..	Percentages ..	60·3	31·2	7·4	1·1	..

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Pasture Improvement Work

Results of 1936 Tests

The first portion of the Fifth Annual Report of the experimental pasture work conducted by the Department of Agriculture under arrangement with the Victorian Pasture Improvement League was published in the April 1937 issue of this Journal. The results of the major plots and the new series of mowing trials in Gippsland and the Western District were discussed in detail. The report is concluded with this issue.

By R. L. Twentyman, B.Agr.Sc., Agrostologist

SURFACE ESTABLISHMENT TRIALS.

THE experimental plots established at the commencement of the Pasture Improvement League work were mainly located in the dairying districts of southern Victoria, but in 1935, it was decided to extend the work to the large pastoral area of the Western District. Some trials had previously been conducted in this district mainly to serve as manurial demonstration plots and these new experiments were designed to test means of introducing subterranean clover into native pasture by surface working and to encourage the development of desirable grasses in established subterranean clover pastures. Until recent years, subterranean clover was usually established either on cultivated land, using a cover crop of oats, or by broadcasting the seed mixed with superphosphate over natural pastures. This latter method, at the best uncertain, is usually very slow in developing a clover stand. On the other hand, cultivation usually resulted in the destruction of the native pasture and, where subterranean clover alone was sown, the pasture showed an undesirably high proportion of clover.

Subterranean clover being surface sown, together with oats and a little perennial rye on "combined" natural pasture—May 1936. For result see illustration below.

Result of surface sowing—Nov. 1936 (see illustration above). Subterranean clover and rye grass can be seen amongst the oat cover crop.

With the lowered cost of superphosphate, more attention has been given to its use on large properties and, knowing that the response is not likely to be satisfactory unless subterranean clover is present in the pasture, much interest has been taken in the rapid introduction of the clover by any means which would be both cheap and effective. These new trials have been started with this objective.

Most of the area under consideration consists of what is generally termed "plains country" carrying native pasture, which though mainly tufted Danthonia sp., flat weed and small sedges, may also contain other species in varying amount. Though there appears to be much uniformity in the pastures found in this district, there is sufficient variation among them to give very different responses to such a superficial treatment as "surface working". On ploughed and cultivated land in this area, the methods of treatment for pasture improvement and the results obtained would in most cases be uniform but much of the land is too stony to plough and on the very large holdings a rapid surface cultivation is all that is practicable.

Where pasture improvement has to depend on mere surface working, small differences in the character of the existing pasture are sufficient to have a very large influence on the result of the treatment, and although trial plots should give useful information on the particular pasture type experimented on (under similar climatic conditions) the results of such experiments are very specific in their application. As it was desirable to determine the results of similar methods under a wide range of conditions, officers while engaged in the work have taken the opportunity of observing the results of the same methods when applied on neighbouring farms.

The new trials were located at Hamilton, Trawalla, and Buckley (near Winchelsea). At the two latter places, surface establishment trials on poor native pasture were commenced and at Hamilton the experiments consisted of grass species introduction trials on established subterranean clover pastures.

Surface establishment trials on typical light native grass pastures were commenced at Trawalla and Winchelsea early in 1935, and, as has already been indicated in the previous report, these experiments were mainly confined to the introduction of subterranean clover using varying quantities of manure and varying the degree of surface cultivation from a very light scratching up to severe surface working. On both plots, the soil consisted of a poor light grey buckshot silt carrying native pasture consisting largely of Danthonia.

At Trawalla, a very good establishment of the subterranean clover has been obtained on all of the strips which were surface worked, top dressed with superphosphate and sown with 3 lb. seed per acre. On the plots which were not surface cultivated, the clover made much slower development than where the soil surface was broken, and where superphosphate was omitted there has been no clover establishment at all. The severely cultivated plots show more clover than those which are lightly worked, but, on the former plots, much of the native grass appears to have been destroyed and its place is now taken by silver grass (*F. bromoides*).

Unimproved section of natural pasture on the Trawalla plot.

Improved growth resulting from surface sown subterranean clover plus top-dressing at Trawalla.

The manurial trial plots received no manure, 90 lb., 1 bag, and 3 cwt. of super per acre respectively and here again the results indicate that moderate dressings are the most efficient. An excellent establishment was obtained with the 90 lb. dressing, but it suffered during the past year in comparison with the plots receiving the heavier applications which in the absence of repeated dressing have benefited from the residual effects of the heavy applications.

The heavy application of superphosphate has had the effect of producing a strong growth of silver grass and annual trefoil, and these have partly checked the spread of the subterranean clover and smothered out the Danthonia. The results seem to indicate that it is a mistake to give heavy dressings of super until there are sufficient desirable pasture species in the sward to respond to the application. Similar results have been observed in parts of the Western District when top dressing of native pastures has been practised without subterranean clover having been introduced. Danthonia pastures so treated usually show some increase of the poorer trefoils, but in many cases the sole effect of the top dressing is to encourage silver grass and soft brome.

It is such methods that have sometimes caused pastoralists to doubt the ability of their pastures to respond to superphosphate and until the better clovers are introduced, the response of the native pasture will continue to be unsatisfactory. Further, if the encouragement of the silver grass is persisted in it will later be found most difficult to introduce the clover.

A number of grass and clover species other than subterranean clover was sown across the surface cultivation trials at Trawalla, and, although the rye grasses and red clover have made some establishment on the heavily scarified plots, their general development against the already established native pasture has been very poor. An adjoining section of the plot was ploughed in 1935, allowed to lie fallow over the summer of 1935-6 and sown in the following autumn with similar grass and clover species as those which had failed to establish on the native pasture, surface cultivated only. This plot has made excellent growth during the past spring and most of the species sown have developed good swards. The survival of these established species during the next few years will indicate their value for local pasture improvement where cultivation is practicable.

The surface establishment trials at Winchelsea have shown a weaker development of the subterranean clover than that obtained at Trawalla, but the results, though less marked, have had a similar trend. The establishment of the clover on the unbroken ground was poor and again failed completely where super was omitted. The best growth of the clover has occurred where the plot was drastically harrowed and the native species largely destroyed. Portion of the plot was sown by drilling in the seed with the super and here, the seed and super being close together in the drill rows, a better strike was obtained than where the seed and super was merely broadcasted over the surface.

In 1934, a " top sowing " trial on a seven year old subterranean clover pasture was made at Buckley using the following grass species :— Wimmera rye, perennial rye, cocksfoot, Phalaris, crested dogstail, timothy, and brown top. Except for brown top, which was sown at 10 lb. per acre, the other species were sown at the heavy

rate of 15 lb. per acre on 26th May, 1934. Immediately prior to broadcasting the seed, the area was severely scarified to check the young subterranean clover seedlings which, though small, were numerous and vigorous.

The result of this sowing was a fair establishment of the Wimmera rye in the first year, and, although a little cocksfoot and Phalaris appeared amongst the clover, the only really satisfactory establishment was made by the perennial rye. This strip still shows a useful proportion of established plants.

A similar trial to the above was laid down on an old subterranean clover pasture at Hamilton in the autumn of 1935. On this pasture, the clover had been established for several years, and although it was still predominantly clover, there was a fair proportion of the fine hair grass or silver grass (*Festura bromoides*) present and Danthonia was coming back into the pasture. This area was cross worked with a combine and the surface soil well worked immediately before sowing, and a number of narrow plots was sown with a variety of grass and clover species. Again in this trial, the previously existing pasture became strongly re-established and largely suppressed the young introduced seedlings, and at the present time only a trace of cocksfoot, Phalaris and a little perennial rye are to be found.

At the same time that the Hamilton trial was established, similar sowings were made on an adjoining homestead paddock which had been growing subterranean clover for some years, but in which cape weed had recently become very troublesome. Obviously it was useless attempting to establish young pasture seedlings amongst a smothering growth of cape weed and subterranean clover, so this area was ploughed and cultivated before sowing. This cultivation resulted in an almost complete destruction of the cape weed and suppression of the clover and excellent swards of the sown grass species have since developed. These plots were sown with the following single species or grass mixtures :—

1. Perennial rye, 10 lb. ; cocksfoot, 4 lb. ; oats, 1 bushel ; and Italian rye, 8 lb. per acre.
2. Perennial rye, 10 lb. ; cocksfoot, 4 lb. ; Wimmera rye, 8 lb. ; and Italian rye, 8 lb. per acre.
3. Perennial rye (Hawke's Bay), 15 lb. per acre.
4. Perennial rye (Victorian old pasture), 15 lb. per acre.
5. Cocksfoot (Akaroa), 10 lb. per acre.
6. Phalaris, 8 lb. per acre.
7. Paspalum, 8 lb. per acre.
8. Lucerne, 10 lb. per acre.
9. Chewings fescue, 10 lb. per acre.
10. Perennial rye, 6 lb. ; and white clover, 2 lb. per acre.
11. Perennial rye, 4 lb. ; cocksfoot, 4 lb. ; and Phalaris, 2 lb. per acre.
12. Brown Top, 5 lb. per acre.

Plots 1 and 2 included oats, Italian rye and Wimmera rye which it was hoped would exert a smothering effect on any re-establishing pasture species. The amount of growth which survived the ploughing and cultivation, however, was small and there was no occasion for a " smother " crop. Under the conditions in which these plots were sown, the perennial rye has made as strong growth as the annual species and oats, and would appear to be equally capable of keeping weeds and undesirable species in check.

Both the Hawke's Bay rye and the Victorian old pasture perennial rye have developed good close swards as have also the brown top and Chewings fescue, but though dense, the growth on the latter is not vigorous. Both cocksfoot and Phalaris have made a good establishment, but neither has developed a close sward, and are inclined to be tufty and poor. Lucerne made a promising early development, but has since failed to become established. The paspalum plants are still small, but, scattered amongst the re-established subterranean clover, are providing a useful summer green picking.

During the second year, the subterranean clover has re-established on the different swards to varying degrees, mainly according to the vigour of the sown species. On the dense close swards of the rye grasses and brown top, there is still little subterranean clover only, but, on those plots which in the first year made either tufted growth or weak development, the subterranean clover has become strongly established.

When commencing the surface top-sowing trial in 1935, a small section was ploughed and allowed to lie fallow, and in 1936, this was sown to similar grass species to those which had failed to establish in the adjacent area which was surface cultivated only. In marked contrast to the previous surface scarified sowing, this later seeding has been most successful and an excellent establishment of all the sown species, except lucerne, has been obtained. By the mid-spring, the species had made such strong growth that they had to be fed-off, and later the plot grew strongly and was cut for grass-hay, and since then it has made a vigorous aftermath growth.

From the results of these top-sowing trials, it appears that the introduction of the better grass

species into established subterranean clover fields by surface working only, is liable to give uncertain results, particularly if the operation is delayed until after the clover has germinated and established. On the other hand, ploughing and cultivation temporarily checks the re-establishment of the clover, and encouraged by the accumulated soil fertility, the vigorously growing sward forming grasses become established sufficiently to keep the subterranean clover in check.

Assisted by a light surface working, it should be possible to make a good establishment of perennial rye-grass in established subterranean clover fields, preferably before the clover has germinated or after the bulk of the clover has been fed-off or harvested for seed. Young rye-grass seedlings are not sufficiently strong to make progress against established subterranean clover seedlings, and a satisfactory development of rye-grass cannot be expected unless the clover is effectively checked.

IRRIGATED PASTURE TRIALS.

Experimental pasture work was extended to the northern irrigation districts in 1935 when plots were established at Swan Hill and Kerang. The irrigated pasture tests are under the supervision of Mr. E. T. Beruldsen, B.Sc.(Agric.) Senior Irrigation Officer.

Swan Hill (A. Douglas).

A field of six acres on Mr. Douglas's farm was ploughed in 1934, and sown to various grass and clover species on 30th April, 1935. Dry weather followed the sowing and the germination was rather uneven, but encouraged by an irrigation in August the pasture developed rapidly and made good growth in the spring.

Excellent growth was made during the past year, and the pasture has provided very good grazing. The pasture has been regularly irrigated at intervals but heavy rains during December upset the regular programme.

During the second year the cocksfoot plants stooled and developed, and have now produced a greatly improved sward. White clover was also slow in establishing, but together with the cocksfoot it has made excellent headway during the past year.

Both Colac and Hawke's Bay rye-grass show good swards and already illustrate their superiority over the South Island New Zealand strain. Phalaris tuberosa and tall fescue have made strong development on their plots but both seem to be unpalatable to the stock.

Kentucky blue, meadow foxtail, and timothy have grown poorly, and the plots on which these species were sown now show poor swards.

Red clover and lucerne have grown well and have been readily grazed. White and strawberry clovers have been slow in establishing, but white clover now appears to be making headway.

The *manurial trials* were laid down on a uniform section of the field which was sown to a complete pasture mixture. No measured yields have been obtained from these plots, and the records are based on observation only.

The unmanured strips can be easily distinguished by the poorer growth as compared with those receiving super. Superphosphate has given the best results, and amounts up to 6 cwt. per acre have shown a progressive improvement. During the early spring, those plots which had received lime and sulphate of ammonia in addition to superphosphate showed improved growth, but this improvement did not persist later in the season. Plots receiving lime and superphosphate did not show any visible improvement over those receiving super only.

Kerang (F. H. Kane).

The plot at Kerang is situated on a very intractable soil, and the establishment of a good pasture of perennial species here would be a most valuable demonstration.

This pasture was also sown in autumn, 1935, and following a good establishment in the early period, it was subjected to heavy grazing in the first summer period, and the pasture received a severe check.

A top-sowing of Hawke's Bay rye and "irrigation" white clover together with a little strawberry and subterranean clovers, was made over the whole area on 2nd September, 1936. Encouraged by lenient grazing, the plot has since made better growth, and perennial rye and white clover are, at present, most promising.

On this plot Phalaris tuberosa has demonstrated its ability to persist during a very dry period which resulted from withholding the summer irrigation.

PILOT PLOTS.

In the plan of experiments as commenced in 1932, 35 of the established plots were Pilot plots, which, as has been previously indicated, consisted of small observational trials including various sown species and manurial treatments. These plots were generally situated on pasture soils typical of much of the land in the district, and this group of tests covers a wide range of

southern Victorian soil types. Tables showing the chemical analysis of the soils, the relative vigour and growth of the sown species were given in the 3rd Annual Report (*Journal of Agriculture*, May, 1935).

Although the results from such observational trials cannot be of an accurate nature, sufficient differences were shown in most cases to indicate the line of treatment to which similar land would most profitably respond. The results from these plots and records as to the survival of the various species have been shown in detail in the previous reports, and in this present report, only the general findings from these experiments are given, and recommendations made as to the establishment, improvement, or maintenance of pastures on similar land.

Each area consists of two sections each one chain square and including the following treatments :—

Manurial Section. (Plots 1 chain long x 3 ft. 9 in. wide)—

1. No Manure.
2. Super 2 cwt. per acre.
3. Super 2 cwt. + Sulphate of Ammonia 2 cwt. (1 cwt. autumn, 1 cwt. spring)
4. Super 2 cwt. + Sulphate of Ammonia. 2 cwt. (1 cwt. autumn, 1 cwt. spring) + Lime 1 ton per acre.
5. Super 2 cwt. + Sulphate of Ammonia 2 cwt. (1 cwt. autumn, 1 cwt. spring) + Lime 1 ton + Potash 1 cwt. per acre.
6. No Manure.
7. Super 2 cwt. + Lime 1 ton per acre.
8. Super 2 cwt. + Potash 1 cwt. per acre.
9. Blood and Bone 2 cwt. per acre.

The above treatments were duplicated in plots 10 to 18.

Species Section.—In these areas small plots 1 chain long x 5 ft. 6 in. wide were sown with grass and clover mixtures including the following species, either singly or in mixtures :—

Perennial rye-grass	Kikuyu
Cocksfoot	Yorkshire fog
Phalaris	Kentucky blue
Crested dogstail	Subterranean clover
Prairie grass	White clover
Timothy	Alsike clover
Meadow foxtail	Strawberry clover
Paspalum	Red clover
Brown top	Lotus major
Chewings fescue	Lucerne.

The pilot plots were sown in autumn, 1932, and sufficient time has since elapsed to determine which of these species are likely to develop persistent swards under the particular local conditions. Details as to the progress of the various species in the early years are to be found in the second and third annual reports, and the following accounts of the individual plots give a brief summary of the general findings of each.

Birregurra (G. Whytcross).

The Birregurra plots are situated on heavy black clay river flat soil liable to deep cracking. Similar land is frequently used for cropping, although there is still a large area devoted to pasture. The area being flat and the soil a retentive clay, drainage is fair only and in a wet winter much of the land in this district is liable to become water-logged. Though rich in plant food, the soil is of a heavy texture and after being out to pasture for some years, paddocks become very hard and consolidated and pasture productivity declines.

Contrast between manured (right) and unmanured plots at Buckley. Note Danthonia (wallaby grass) on the unmanured section.

The pastures appear to be most productive when the land is broken and cropped occasionally. Perennial rye and subterranean clover have made excellent growth on this land and on the wetter areas strawberry clover and white clover flourish.

On the pilot plot, cocksfoot and red clover have made very good growth and as is usual on this class of heavy deep soil Phalaris has made strong development.

Though there has been a visible response to superphosphate, the increase has not been marked but its use

would enable the dry pasture to be more effectively fed off.

Rushes, plantain and barley grass tend to become troublesome on old pastures; and on recently broken ground docks are often plentiful.

Buckley (J. H. Steele).

The plot at Buckley is situated on a grey buckshot silt naturally carrying a poor native pasture of Danthonia, Eragrostis, flat weed and other weed species. A large area of similar country has been improved in this district by top-dressing and the sowing of subterranean clover, the clover being sown with a cover crop of oats or after cultivation. The district generally is too dry in the summer for white clover, and, although red clover has persisted fairly well on the experimental plots, subterranean is the only clover which can be depended on for building up the soil fertility. Rye grass will grow well here in combination with the subterranean clover when soil fertility has been improved by the latter. Though cocksfoot has persisted well on the plot, the shallow soil and long dry summer usually restricts its growth, making it much less useful than rye-grass for this district.

The response to superphosphate has been very marked and it is impossible to maintain an improved pasture on this type of land without regular applications of phosphates. Fair responses to potash, observed on the plots from time to time, suggest that the potential soil fertility is low and that in building up soil fertility for the pasture, all feed grown on the paddock should be returned to it as animal waste products.

The unreliability of the autumn rains and damage to pastures by cockchafer grubs make winter feed on top-dressed subterranean clover pastures uncertain until a proportion of perennial rye-grass can be established in the clover pastures.

Dean's Marsh (Atkins Bros.)

Very striking pasture improvement has been effected in the Dean's Marsh district mainly as a result of top-dressing. The experimental plot is situated on a grey buckshot loam of moderate fertility on rising country. This pasture had been improved by previous top-dressing and adjacent pastures of unimproved native grass country still serve as a marked contrast. The response to superphosphate on this type of land has been most marked, and it is not possible to carry improved pastures without its frequent use.

Subterranean clover and rye-grass are the most useful species on this rising country, but cocksfoot and red clover have proved worthy of inclusion in sown grass mixtures. The control of Yorkshire fog is essential in maintaining good pastures in this district. Mowing and the making of grass hay in the late spring will serve to keep it in check.

Stoneyford (A. McKenzie).

The plot at Stoneyford is located in the basalt "Stoney Rises" country west of Colac. Most of this country is boulder strewn, but the red loose soil between the rocks, though usually shallow, is very rich. The natural pasture on this area consists of *Bromus sterilus*, soft brome, Yorkshire fog, annual trefoils and some rye-grass, all of which make strong winter growth.

Difficulty was exterienced in establishing sown species on this plot owing to the very rapid growth of the volunteer annual grasses. Protected inside the plot and only subjected to intermittent grazing, both cocksfoot and Phalaris have made very promising development but most of the other grass species have been choked out by the strong volunteer growth. Some perennial rye has become established on the cultivated area and subterranean clover has grown strongly in some seasons.

Typical Western District Country.

At no time has any material manurial response been seen on this plot. Unmanured growth on this area has always been strong, weather conditions being favorable, but on less productive pastures in the Stoney Rises country, the response to superphosphate appears to be quite substantial.

Owing to the rough nature of this country, working by implements is impossible except on most limited areas and the surplus feed can only be fed off or burnt. Heavy summer grazing results in rye-grass tufts being pulled out, but it is possible that under intermittent grazing satisfactory stands of cocksfoot and Phalaris could be developed.

Bracken is troublesome on these areas and the old mat of dry feed and the irregularity of the autumn rains render the growth of the annual species rather uncertain.

Noorat (I. Black).

At Noorat, the plot area consists of a deep red volcanic soil overlying basalt and scoria. The soil has a high proportion of clay and assumes a fine crumbly structure on drying after cultivation. Owing to the dry crumbly texture, difficulty was experienced in establishing pasture on this area and in the first year the take was restricted to the larger seeded species. A resowing under more favorable weather conditions enabled sown species to establish and a good sward of rye-grass and subterranean clover was secured. Prairie grass grew well in the first years and cocksfoot and Phalaris have subsequently made good growth.

Late autumn and winter growth on this plot is usually good and weed growth and volunteer annual grass have been troublesome. Where animal droppings are left unspread, they have a very marked effect in the spring.

On occasions there has been a slight visible improvement due to super, but generally this soil appears to be so rich that artificial fertilizers have no material effect in increasing growth. The early maturity of the pasture, and the long summer period, make it desirable that either supplementary fodders should be grown or that the surplus spring pasture growth should be conserved as grass hay or preferably as silage.

Mortlake (C. Fischmann).

The Mortlake plot is situated on typical Western District plains country, the soil consisting of a poor buckshot gravel loam overlying basalt. The natural pasture is mainly Danthonia and miscellaneous small weeds. An excellent strike of the various grass species was obtained on this plot, but the best growth has since been made by perennial rye and subterranean clover.

Phalaris and cocksfoot in the early stages looked promising but now compare unfavorably with the perennial rye. Brown top has done remarkably well.

Superphosphate has given a very good response and it is impossible to carry improved pastures on this class of land without its use. In the absence of a good sward of perennial rye, Yorkshire fog, silver grass and soft brome are liable to be troublesome in this district.

Garvoc (T. C. Blain).

The plot at Garvoc is situated in a district which is particularly responsive to pasture improvement. Soil fertility is low but the rainfall is good, and the natural pastures, which consist of Danthonia, Yorkshire fog, sedges and suckling clover, can be replaced with rye-grass, cocksfoot and subterranean clover which, encouraged by top-dressing with superphosphate, are capable of high production.

Timothy has persisted quite well on this plot, but Phalaris never made any headway, whereas crested dogstail is now objectionably common. On this type of improved pasture, care must be taken to keep Yorkshire fog in check, and paddocks in which it is increasing should be kept well grazed or mown early for grass hay.

South Ecklin (J. C. Mattinson).

These plots were established on an old top-dressed pasture consisting of Yorkshire fog, sweet vernal, trefoils and weeds and a little rye-grass. A heavy growth of weeds checked the establishment of the sown species in the early stages but since then rye-grass, cocksfoot and red, white and subterranean clovers have grown well.

The original fertility of this plot was high and it has shown a small response only to superphosphate. There has not been any appreciable response to any of the other manurial treatments. The control of cape weed, Yorkshire fog, and other weed grasses is essential on this type of pasture and, encouraged by regular grazing and mowing the surplus spring feed, good growth can be prolonged late into the spring.

Port Fairy (J. C. Goldie).

Here the pasture consists of perennial rye and the English black medic (*Medicago lupulina*) situated on a deep sandy loam, containing much

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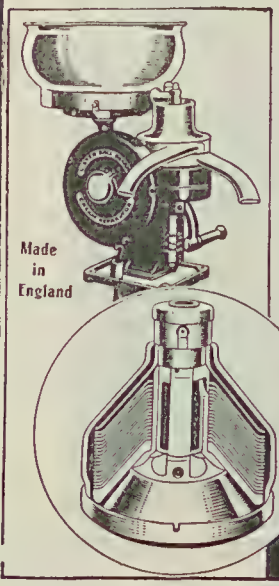

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fine lime, as well as large limestone rubble. For some years before the plot was established, the pasture had been top-dressed, and was well improved. At no time has this plot shown any appreciable response to any of the manurial treatments given.

A great variety of weeds appeared after the sowing of the ploughed section of this plot, but although they retarded the species establishment, they gave no further trouble after the first season.

Rye-grass, cocksfoot, Phalaris and red clover have since made good growth, but neither white nor subterranean clover made any development on this area. Pasture growth in the winter and spring has been good, but growth matures early in the spring, and there is a long summer period during which stock must seek feed on the adjoining flats which continue green much longer into the summer. Phalaris should be worthy of sowing on this class of land for the purpose of improving the late autumn feed.

Macarthur (J. H. Nield).

The Macarthur plot is situated on an alluvial sandy loam on the better flats of this district. The natural pasture is poor, consisting of Danthonia, Yorkshire fog, sedges, and suckling clover, together with some perennial rye and white clover. Aided by top-dressing with superphosphate, excellent sown pastures may be developed on this land. Perennial rye-grass and cocksfoot have developed good swards after being checked by weed growth during the first season. Subterranean clover has made strong growth, and white and red clovers though less prominent, have persisted.

Superphosphate has given good results, but the other manures have shown little or no improvement. The drainage of this land is not good, and rushes, and Yorkshire fog may need mowing to keep them in check.

Penshurst (W. Underwood).

The plot here is situated on a buckshot loam overlying basalt, and at the time the plot was commenced, the pasture consisted of volunteer weed grasses and small trefoils. This plot has given a very good response to superphosphate, and at times, some response to the potash treatment has been seen.

Ploughing and sowing down has resulted in a very much improved pasture being established on the species section, and here rye-grass, cocksfoot, red clover, and subterranean clover have made excellent growth, and Phalaris and timothy have also made some headway.

The volunteer pastures which develop after cropping in this district are poor, and cultivated land should be sown down before letting go out to grass. Pastures so established when encouraged by top-dressing may be expected to maintain high productivity.

Bochara (J. E. Chadderton).

The plot at Bochara is situated on the light buck shot red-gum country near Hamilton. This land had previously been cultivated, and in 1932 the pasture consisted mainly of annual grasses and knotted clover (*T. striatum*) and nodding clover (*T. cernuum*) with some flat weed, sorrel, and a little perennial rye. There has been a very slight response to the top-dressing with super, but no responses to the other treatments were observed.

Following the failure of the sown section of this plot to establish in 1932, the sowing was repeated in 1933, but again the "take" was not good. Since then the subterranean clover has made strong growth, and the rye-grass and cocksfoot have made some development. None of the other grasses or clovers have established on this plot and volunteer grass species have developed on the weak strips.

Showing high clover content (left) developed by top-dressing with superphosphate, compared with an unmanured area at Coleraine.

Coleraine (J. Brens).

The soil of this plot, situated in the Coleraine valley on the flats, is a deep sandy loam. Being rather low in fertility, it responds very markedly to superphosphate, and though it gives the usual early spring response to sulphate of ammonia, it has not shown any improvement from the use of lime or potash.

This class of country responds well to applications of superphosphate and, encouraged by regular top-dressings, these pastures make good late

Strong growth of Phalaris tuberosa on the Casterton plot.

autumn and early spring growth. Growth matures early in the spring, and grass-hay should be conserved to maintain the pastures in good condition and to provide feed for the autumn and winter. An excellent establishment of the various species was obtained here and the pasture has regularly made dense spring growth.

Perennial rye and subterranean clover have made the outstanding development, but cocksfoot and Phalaris have made good growth in their respective plots. Prairie grass and red clover grew well in the first years but are now scarce.

Casterton (J. McIntyre).

The Casterton plot is situated on a heavy grey river flat liable to excessive winter water logging. The land has been cultivated in the past, and the original pasture on the manurial section consisted of barley-grass, silver-grass, soft brome with some annual trefoils and weeds, docks being very bad.

During the early spring of 1934, a good response to superphosphate was observed, but no other manurial response has been recorded either before or since. The soil chemically is of high fertility, but its intractable nature and the difficulty of establishing pasture on it, seems to account for so much similar land in the district being very poorly grassed.

The pasture on the sown section commenced growth under very unfavourable conditions and made very poor early growth, and was later subjected to severe poaching by stock. Its subsequent development has been slow, but several of the sown strips now show very good swards. Subterranean clover has made strong growth over the whole plot, and rye-grass and cocksfoot have formed very good swards, while Phalaris, encouraged by lenient grazing, has made very vigorous growth.

Merino (Talisker Estate).

Here the plot is situated on a deep black clay loam at the base of the fertile slopes at Merino. This pasture previously had been sown to mixed grasses and clovers, and showed an excellent sward at the time the plot was established. Except for a small response to super observed during the spring of 1934, this plot has not shown any benefit from manurial treatment. The soil is unusually rich, and probably encouraged by the residual effect of previous top-dressings, pasture growth has been so good that it would seem most unlikely that any soil deficiency could be checking growth.

Most of the sown species have made good headway on this plot, rye-grass, cocksfoot, subterranean, and white clovers being exceptionally vigorous. Timothy, Phalaris, and red clover have also made a good establishment.

Timboon (H. Elson).

The plot at Timboon was sown on newly cleared timbered country in 1932, and the soil being poor, there has been a very marked response to the manurial treatments. As there was no existing pasture here, the manurial area, as well as the sown section, had to be sown and established. The effect of the manurial treatment was most marked on the establishment of the pasture, the sward on the complete manured plots being quite good, while the "no-manure" plots made only a very poor establishment. Lime, nitrogen, and phosphates all encouraged growth on these plots, and where any of these materials were omitted, growth was checked.

Of the sown species, perennial rye, brown top, Yorkshire fog, Lotus major, and white and subterranean clovers made fair growth in the first years, but most of these have since weakened, and at present paspalum, brown top, Chewings fescue, Lotus major, and a little white clover and weakened rye-grass constitute the bulk of the

[*Continued on page 229.*

Coccidiosis

By H. E. Albiston, D.V.Sc., Director Veterinary Research Institute

COCCIDIOSIS constitutes one of the most serious problems with which the poultry farmer is confronted. Not only may the losses sustained through the mortality of chickens be very great, but coccidiosis may also be responsible for deaths among adult birds, while the stunting and weakening of survivors of an outbreak of the disease represents a direct financial loss to the poultry man.

When the life history of the coccidia is studied, it is readily appreciated that the intensive systems under which poultry are kept in modern establishments actually create the most favourable set of circumstances for the propagation of the parasite. Coccidiosis is primarily a disease of the intestinal tract, although in chickens the liver occasionally may be affected, and geese sometimes show signs of the disease in the kidneys. It has been found also in ducks, turkeys and pigeons. From a practical point of view, however, coccidiosis is most important when it occurs among the chickens. Geese, turkeys and ducks on free range are rarely infected in large numbers, although occasionally an isolated case may occur from time to time.

As with many other diseases, the ravages of coccidiosis may become very serious when it appears among birds kept in confinement. Under these conditions the disease frequently assumes enzootic proportions. Growing chickens are very susceptible to infection, but as maturity is reached a considerable degree of resistance to the infection is developed. It is only when adult birds become grossly infected or their resistance weakened through some other cause that they suffer from coccidiosis. In fact, mature fowls frequently may be found harbouring coccidia in the alimentary canal without showing any ill effects. Such birds, however, may be considered carriers, and may provide the infective material for a serious outbreak among chickens kept on the same property.

To Poultry Keepers

The Department of Agriculture is anxious to help all owners whose stock may be affected by disease. Unfortunately some poultry keepers appear to be disinclined to report cases of notifiable diseases proclaimed under the Stock Diseases Act, apparently because they fear their operations may be hampered by unnecessary restrictions. This attitude is not justified, as any action taken has as its immediate object the benefit of the individual as well as the industry. Where such outbreaks have been reported promptly to the Chief Veterinary Inspector, the advice given frequently has enabled the owner to avoid the heavy economic loss that would have been incurred had the disease not been speedily diagnosed and properly treated.

Poultry farmers who suspect that their birds are affected with a notifiable disease should send a live, sick bird to the Veterinary Research Institute, Story-street, Parkville, N.2, where a diagnosis will be made free of charge. In addition a letter should be forwarded to the Director of the Institute notifying him of the despatch of the bird and setting out the history of the case.

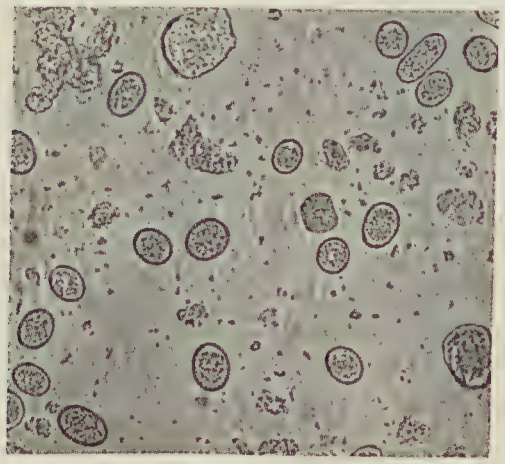
The Parasite and its Life History.

Most of the microscopic organisms associated with the causation of infectious diseases belong to two main classes, namely, bacteria and protozoa. The bacteria represent the lowliest forms of plant life; the protozoa, on the other hand, are generally regarded as the lowest form of animal life. Microscopic in size, they have bodies consisting of a single cell and they frequently exhibit a complicated life cycle or process of reproduction. To this group belong the coccidia which cause the disease known as coccidiosis.

If the droppings of infected birds are examined under the microscope, coccidia are found to be minute bodies with an ovoid or round shape and possessing a thick double shell. These egg-like structures are known as oöcysts, and under favourable conditions outside the body, eight small structures known as sporozoites develop within the shell. This developed oöcyst is the infective stage of the coccidium.

The disease is spread by healthy birds taking in these oöcysts with their food and water,

contaminated by infective droppings. When the oöcysts reach the intestinal tract, the outer covering splits and the sporozoites are liberated. They are actively motile, and penetrate and destroy the cells lining the mucous membrane of the gut. Each sporozoite entering the cell begins to multiply rapidly, and the progeny invade further cells, so that the destruction of the lining of the bowel may become very extensive. After a certain time this rapid development ceases, and the young coccidia become differentiated into male and female forms. Fertilization takes place, and the result of this sexual conjugation is the production of oöcysts. The oöcysts are cast off from the intestinal lining, are voided in the droppings, and the life history proceeds again in birds swallowing infective oöcysts.



Oocysts of coccidia as seen in the droppings.
[Jnl. Am. Vet. Med. Assocn.]

In the past it has been generally supposed that the coccidia affecting poultry belong to a single species. Recent investigations, however, have shown that at least four varieties of coccidia may produce the disease in domestic fowls. One species produces the common caecal coccidiosis, the other three living in the intestine and giving rise to intestinal coccidiosis.

Symptoms.

Chickens infected with coccidiosis may show signs of the disease as early as a week after hatching, although as a general rule symptoms are not noticed until the third or fourth week. Coccidiosis in young chickens is almost invariably due to the form infecting the caecum or blind gut. In young chickens the disease develops rapidly and the mortality rate is high.

In very acute cases fatal haemorrhage into the caeca occurs as the result of extreme destruction of the tissues in these organs. In such cases there may be no premonitory symptoms apart from prostration and the passage of liquid, blood-stained droppings. In less acute cases the affected chickens are chilled (shown by crowding together) and they become weakened and dejected, with drooping wings, ruffled feathers, somnolence and loss of appetite. The droppings may be bloody, blood-stained or brownish in colour, although in some cases a whitish diarrhoea may be present.

In older birds, intestinal coccidiosis is commoner, the caecal form being somewhat rare. Affected birds show general unthriftiness and wasting, capricious appetite and an increased thirst. One of the commonest symptoms shown by birds with intestinal coccidiosis is leg weakness or paralysis.

Post-mortem Appearances.

In young chickens the blind gut may be distended with liquid blood. In less acute cases the caeca are filled with cheesy, more or less blood-stained masses which adhere to the wall of the bowel and leave a raw surface when removed.

In intestinal coccidiosis numerous round, whitish spots may be seen on the mucous membrane of the bowel, and in severe cases the lining of the bowel may be covered with a thick diphtheritic membrane. It is necessary to stress the fact, however, that it is generally impossible to make an accurate diagnosis without a microscopic examination of an affected bird.

Methods of Transmission.

Birds contract the infection by the ingestion of infective material containing developed oöcysts discharged from an infected bird. The origin of outbreaks of coccidiosis may be traced to :—

(1) The presence of adult carriers in the flock with the direct infection of young birds running with them, or the transference of infective material by other agencies such as boots, implements, &c., from the runs to the chicken houses.

(2) The rearing of chickens in infected coops or on ground previously contaminated by infected birds.

(3) The transport of young chickens in crates soiled by infective material.

(4) The use of dirty apparatus such as incubators and brooders.

(5) It is sometimes difficult to explain an outbreak of coccidiosis in very young chickens which have been hatched and reared in new equipment. Such outbreaks may be due to using eggs for hatching which have been laid by infected hens and soiled with droppings containing the oöcysts of coccidia. When the chicken emerges it picks up the infective material by pecking at the egg shell and so becomes infected, and transmits the disease to other chickens. The appearance of coccidiosis as early as a week or ten days after hatching may be explained in this way.

Control.

A study of the life history of coccidia shows that control measures must be directed to the prevention of contamination of the ground and food and water supplies with infected material. It is important to know that oöcysts are not infective until they have been exposed outside the body for at least 48 hours. Daily cleansing of the chicken houses will therefore help greatly in minimizing the danger of infection.

A further precaution and one which has been adopted in battery brooders is the use of raised wire mesh floors in the brooder houses to allow the droppings to fall through to the floor underneath and thus minimize the chance of food and water contamination. Care must be taken, however, to clean and disinfect these wire gratings regularly. Where the floors are constructed with some impervious material such as brick or concrete, the most efficient disinfection may be accomplished with a painter's blow-lamp.

Boiling water liberally applied will destroy the oöcysts of coccidia quickly. They are highly resistant to chemical agents, however, and the use of ordinary disinfectants is not recommended. Earthen runs to which diseased birds have access should be considered highly dangerous, and abandoned for at least a year. Where this is impracticable, the soil should be treated with ground quick-lime and ploughed or dug under, or the surface soil removed and replaced by clean earth.

Once the diagnosis of coccidiosis has been established, all obviously sick birds should be killed and their carcasses, together with those of birds dying from the disease, should be burnt. Infected droppings must be treated with extreme care to prevent the distribution of oöcysts to other parts of the farm and other properties. In fact, where practicable, one person should undertake the management of the infected quarters and have nothing to do with the rest of the poultry

Chick suffering from Coccidiosis.
[From *U.S. Dept. of Agric. Farmers' Bulletin No.* 1652.]

farm, and other persons should under no consideration enter the infected pens. Where this is not practicable, the attendant should thoroughly wash his hands, boots, &c., before leaving the infected premises, and a safe precaution would be the provision of a separate pair of rubber boots to wear in the infected pens which could be soaked in a hypochlorite solution after use.

With regard to medicinal treatment, many drugs have been advocated as possessing favourable qualities for the treatment of affected birds. The lesions present in severe cases, however, would lead one to doubt whether any drug therapy could have the slightest beneficial effect.

Poultry farmers who suspect that their birds are affected with the disease should take or send a live sick bird to the Veterinary Research Institute, Story-street, Parkville, N.2. If the diagnosis of coccidiosis is confirmed, advice as to control and treatment will be given.

Pasture Improvement Work (*Continued from page 226.*)

pasture. No manure was applied to the species section during the past year and growth suffered a severe check for this reason. The strip of paspalum has been slowly improving on this plot each year. It appears less sensitive to the low soil fertility than most other species and the moist summer conditions encourage its growth.

A detailed account of the progress on the Gippsland Pilot Plots will be included in the 1937 *Annual Report.*

Irrigation at Boort

Lucerne, Pasture, and Summer Fodder Competitions

Report of the Judge—E. T. Beruldsen, B.Sc. (Agric.), Senior Irrigation Officer

THE remarkable value of even a limited irrigation supply to an otherwise dry farming area is nowhere better exemplified than at Boort, where on comparatively large holdings, small irrigable areas have proved a wonderful insurance against dry years. There was ample evidence in the shape of lucerne and grass hay stacks to show that the irrigated area of these farms had rendered the problem of conservation of fodder comparatively easy of solution. Further there was no doubt that the fodder conserved from the irrigated area had been produced more economically than would have been possible if only cereal crops had been grown without irrigation.

On the property of Messrs. J. D. Fyfe and Son lucerne and grass hay had been produced to the stage of baling and storing at a cost of 25s. per ton. This compares very favorably with cereal hay which, although inferior in nutritive value, costs approximately 35s. to 40s. per ton when stacked. The property mentioned above is one of 5,000 acres, of which 700 acres is irrigated. Mr. Fyfe, jun., is keenly interested in the irrigated section and has been one of the pioneers of irrigation in the district. His success has inspired not a few landowners in the district to take on irrigation, and he has tendered very valuable help and advice to those just embarking on this rather technical branch of farming.

With a limited water supply it is considered that lucerne and the Wimmera rye grass-subterranean clover pasture are the two types of irrigated crops most suited to the district. In the event of a shortage of water lucerne, being a deep-rooted perennial, will survive prolonged dry spells, while the pasture type mentioned is composed of annual species which do not require irrigation in the middle of the summer. This pasture type, with one or two waterings in the autumn, and, if necessary, a further irrigation in late spring, will provide green feed for seven to eight months of the year. Boort irrigationists are fully aware of this, and consider that with lucerne for the summer and with Wimmera rye grass and subterranean clover for the winter period, they are providing a continuity of green feed throughout the year in a manner admirably suited to the circumstances. Too large an extension of the area under pastures of perennial species is not advisable as such pastures require frequent watering in the mid-summer period, and neglect to water during that period does irreparable harm.

A practice of sowing subterranean clover with new lucerne was noted. The idea behind this practice is to have a continuity of green feed all the year round on the same paddock. However, it is not particularly commendable, since, if the subterranean clover is doing well it is an indication of indifferent watering and insufficient manuring of the lucerne, while if the lucerne is the prominent feature then very little winter growth of subterranean clover will be obtained in any case. Good lucerne should be fostered and nursed, and as it has to compete with many other species of annual weeds and inferior grasses, no good purpose is attained by introducing subterranean clover as an additional competitor. Foster the lucerne as a pure stand and prolong its profitable life. It is time enough to introduce subterranean clover when the lucerne has begun to thin out; then it is better to have subterranean clover in the interstices between the lucerne plants than to have comparatively worthless species.

Excellent crops of summer fodders were seen, but it is to be hoped that gradually this practice of sowing an annual crop each year will give place to the laying down of more permanent irrigated crops. Certainly in some instances the annual crop was sown on land which on account of its heavy nature or flat contours was not best suited for lucerne growing. In other cases, however, lucerne could well have replaced the summer fodder. Generally land is only roughly graded in preparation for a summer fodder and later this means excessive flooding of low-lying areas. Eventually this must have a detrimental effect on such areas.

In the cases where the object was to have green summer feed and where the land was unsuitable for lucerne, it should be possible to establish a limited area of pasture of perennial species such as rye grass, cocksfoot, and white clover. While the growth from a pasture sward of these species

is not so spectacular as that from a crop of amber-cane or Sudan grass, it is interesting to state that as much as 31 tons of green herbage per acre per annum has been produced from such a pasture when adequately manured and watered.

On two properties visited in the district an unusual but very profitable use of irrigation water was noted. At the end of February last year Mr. A. N. Lanyon irrigated a fallow paddock on which wheat was sown later. Besides considerably adding to the sub-soil moisture, this irrigation caused an earlier germination of winter weeds, which were effectively killed by the subsequent cultivation. The wheat sown on this clean and relatively moist seed bed yielded fifteen bags per acre as contrasted with eight to ten bags per acre on adjacent paddocks which were not irrigated. In the last week of February this year, Mr. A. L. T. Poxon was irrigating a considerable area of fallow intended for wheat.

It would appear that in most seasons this late summer irrigation does not cause undue water-logging of the soil and hamper seeding operations after the autumn rains. Irrigation later in the season might be attended with more risk in this respect. Also, irrigation of the fallow at this particular time would appear to be less risky than a spring irrigation, as the young heading wheat plants in spring would tend to be affected seriously by rust.

Manuring with superphosphate has not been sufficiently exploited in the Boort district. Dressings of ½ cwt. to 1 cwt. are quite inadequate, and lucerne should receive at least 2 cwt. per acre per year. It requires only 4 tons of lucerne hay per acre to remove from the soil an amount of phosphoric acid equivalent to what is applied in a 2-cwt. dressing of superphosphate. A dressing of 4 cwt. of superphosphate per acre has doubled the yield of lucerne as compared with "no manure." Liberal top-dressing with superphosphate in other districts has been attended with remarkable development of vigorous local strains of white clover and strawberry clover. In many cases under such circumstances, irrigation farmers have had high carrying capacity pastures develop as their lucerne thinned out.

In regard to the lay-out for irrigation it was noted that the tendency was to have exceptionally long bays. In very flat ground this practice is to be deplored, and as the soil types on the land with better slopes absorbed water readily, greater economy of watering could be achieved by having shorter bays. Waterings in excess of 4 inches are wasteful and will not result in any greater production.

Generally, the irrigationists at Boort are to be commended for the progress they have made in a few years. With large areas to manage, one did not expect to find the refinements encountered in the closely settled irrigation areas, but to a large extent initial mistakes made in other areas have been avoided, and by choosing the paddocks best adapted for irrigation, successful results have been ensured.

Lucerne Exhibits.

In the best 3 acres of lucerne section, Mr. L. E. Weaver gained first place with a stand which was sown down on fallow in April, 1935, with 8 lb. of lucerne, 1 lb. perennial rye grass, and ½ lb. subterranean clover per acre. At seeding time 100 lb. of superphosphate per acre was used, while half a bag was applied in the following spring, and a half bag per acre in the autumn of 1936. A dressing of one bag per acre was given in January, 1937, and the effect of this application was most marked as the considerable growth noted had been attained in slightly over two weeks.

Mr. Weaver stated that for a few months prior to this last dressing the growth of lucerne had been rather disappointing. The lay-out was very good, the bays being ½-chain wide and 10 chains long, and uniformly level between the check-banks. The channels were free from weed growth and at intervals were provided with permanent stops.

The lucerne was cut four times during the first season, and comparatively little grazing was done. Only the December growth was cut this year, while for the rest of the period the whole area of 30 acres was grazed by 750 sheep for five days every three to four weeks. Exceptionally few weeds were seen.

A very fine exhibit was noted on Mr. V. H. Lanyon's property at Lake Leaghur. This exhibit was particularly interesting as the water supply is obtained by pumping from the lake. The soil is a silty loam of a porous nature sloping away from the lake. The check-banks are laid out on a fan-shaped plan, the bays being narrow on the steep slopes and wider on the flatter ground farthest from the lake. Here the silty loam merges into a heavier black soil which is liable to crack on drying out. The whole area of 14 acres was sown on fallow in 1935 with 10 lb. of lucerne, 40 lb. oats as a cover crop, and 90 lb. superphosphate per acre, The oats yielded more than 2 tons to the acre, but in one section had smothered the lucerne in small patches. On account of its permanency, lucerne deserves a fair start free from competition from other plants. In any case, a cover crop

should not be permitted to grow to hay stage, if the comparatively delicate leguminous plants are to get a fair chance.

Mr. Lanyon exhibited two sections, his No. 2 exhibit obtaining second place, and his No. 1 entry third place in the competition. Both exhibits were handicapped in that one had not attained a stage of growth most suitable for judging, while the other was too mature and the quality had suffered. In the No. 2 exhibit, although the quality was poor, an exceptionally heavy yield of hay would be obtained. Both sections had been top-dressed with 2 cwt. superphosphate per acre in May, 1936, this being a considerable advance on the 90-lb. dressing given the previous year. Two cuts of approximately 1 ton of hay per acre had been taken off from No. 1 paddock, and in addition this season, the seven acres had provided grazing for 400 sheep and 21 cattle for ten days. No. 2 paddock had been cut three times, and in addition the 15 acres had been grazed by 400 sheep for one week, after the last cut. At the time of inspection the paddock had not been watered for seven weeks. A small patch which had been irrigated more recently demonstrated how the quality of the lucerne could have been retained in spite of the heavy growth, if the whole area had been watered at the same time.

Mr. Lanyon is to be complimented on the very fine effort he has put into establishing this excellent stand of lucerne, and the 60 tons of good quality lucerne hay stacked this season must prove a very valuable addition to his other fodder reserves.

Permanent Pastures.

The fact that there were only two entries in the pasture section of the competition was indicative of the conditions under which irrigation is carried on at Boort. Very few were in a position to utilize water frequently enough in the summer to maintain perennial pasture species in actively growing condition. From the few instances it is evident that quite excellent pastures of this type can be developed in the district. In fact, in some cases, thinned-out lucerne stands were being invaded by perennial rye-grass and white clover strains and would eventually develop into good self-sown pastures.

Mr. Bruce Weaver's pasture was the result of having sown down lucerne in April, 1935, and the lucerne having proved a partial failure. Perennial rye grass 10 lb., cocksfoot 2 lb., and subterranean clover 4 lb. were sown in April, 1936. No white clover was sown as Mr. Weaver considered that as he had to pump water he could not irrigate regularly enough to maintain this species. However, judging by the fresh appearance of those species present, white clover could have been maintained in fairly good condition. Its absence is not appreciated at present as lucerne is still very prominent, but as the lucerne thins out it will be advisable to have white clover replacing it. It should be possible to introduce a small amount of seed, preferably of irrigation wild white clover, while top-dressing this season. There was a good establishment of perennial rye grass through the lucerne, and cocksfoot was fairly well established. Subterranean clover was just past the seedling stage and presented a fresh green appearance. Three bags of manure per acre have been used since the initial seeding with lucerne. The pasture is watered every three weeks. The paddock of 6 acres is grazed for one week out of three by seven cows. In addition it has been possible to graze occasionally with 30 or 40 sheep.

The pasture on Mr. J. D. Fyfe's property was more extensive. It was sown in the autumn of 1934 with 6 lb. of Hawke's Bay perennial rye grass, 2 lb. cocksfoot, 4 lb. lucerne, 2 oz. red clover, 2 oz. New Zealand white clover, and ½ lb. subterranean clover per acre. Lucerne was the dominant species and rye grass was well established, while the other species were well represented. White clover was gradually spreading. Small bare patches were thickly populated with subterranean clover seedlings, and later in the autumn this pasture would be in much better condition. Irrigation has been rather irregular, and on account of the very flat nature of the ground the bays were 1 chain wide. However, this layout had resulted in small areas being excessively watered. Mr. Fyfe uses superphosphate fairly liberally, and with consistent top-dressing the pasture sward should improve considerably. The total area of 25 acres had provided a fortnight's grazing for 600 lambs on two occasions this summer.

Summer Forages.

Excellent summer forage crops are grown on some of the heavy land in the district. These crops are adapted for growing in such areas where water supply is somewhat restricted and where intervals between waterings may be rather long. No marks for lay-out were recorded as in every case grading was only rudimentary. This is only to be expected where the crop in question is only an annual. The variation in type of forage crop grown necessitated the allocation of points for yield on a *pro rata* basis of the best yield which could be expected from each type.

The winning entry exhibited by Mr. H. H. Barnes was an excellent crop of Sudan grass. The uniform growth and fresh condition were very attractive; it was at the ideal stage for cutting for hay, and Mr. Barnes had commenced cutting at the time of inspection. The land had been ploughed in September and sown at the end of November with 12 lb. of seed and ½ cwt. of superphosphate. The first irrigation took place almost immediately after sowing. This was followed by good rain in December. A second irrigation was given in January.

Mr. L. J. Sutton's crop of ambercane was sown in the middle of November with 14 lb. of seed and 60 lb. of superphosphate. It had been grazed by 60 dairy cows just prior to the day of inspection. It was a thick stand and the uniformity had been disturbed very little by the grazing.

As heavy crops of summer forages must deplete the soil fertility considerably, the small amount of manure which had been applied in each case is to be deprecated. Mr. Bruce Weaver used the largest amount of manure, viz., 1 cwt. per acre. His fine crop of ambercane had been handicapped from an exhibition viewpoint by having been grazed for nine weeks prior to inspection by 400 sheep and seven dairy cows.

Details of Awards—Boort.

Best 3 Acres of Lucerne.

Exhibitor.	Lay-out and Condition of Channels.	Quality of Hay it would Produce.	Apparent Yield.	Uniformity.	Freedom from Weeds.	Total.
Maximum Points	20	20	20	20	20	100
1. L. E. Weaver	19	19	18	19	19	94
2. V. H. Lanyon, No. 2	18½	16	19½	19	19	92
3. V. H. Lanyon, No. 1	18½	19	17	18	19	91½
4. J. D. Fyfe and Son	18	19	17	17	19	90
5. A. N. Lanyon	17½	18	16	15	16	82½

Pasture.

Exhibitor.	Lay-out.	Condition.	Uniformity.	Mixture.	Weeds.	Total.
Maximum Points	20	20	20	20	20	100
1. B. Weaver	17	18	17	17	18	87
2. J. D. Fyfe and Son	16	17	15	17	16	81

Summer Fodders.

Exhibitor.	Condition and Quality.	Yield. (Apparent).	Uniformity.	Freedom from Weeds.	Total.
Maximum Points	20	20	20	20	80
1. H. H. Barnes (Sudan grass)	19	19	19	18	75
2. L. J. Sutton (Ambercane)	18	18	18	18	72
3. B. Weaver (Ambercane)	19	17	15	17	68
4. H. Sutton (Sudan grass)	17	16	16	17	66

Boort Fodder Conservation Competition

Report of the judge—E. T. Beruldsen B.Sc. (Agric.), Senior Irrigation Officer

THE inauguration of district competitions in fodder conservation by the subsidizing of local Agricultural Societies by the Royal Agricultural Society, is an event which must stimulate interest in this most important factor in all branches of farming where stock constitute either the whole source of income, or a considerable portion of it. It has been astonishing how in a country which is subject to such large variations in seasonal rainfall the necessity for fodder conservation has been largely disregarded, either because of disinclination to take the trouble, or to engage sufficient labour to carry it out.

Progressive and successful farming is associated with a policy of conserving adequate quantities of fodder against a lean period. The number of well built hay stacks seen in the Boort district was a gratifying sight, and a testimony to the progressive character of the farmers in this district. However, that there was room for improvement was evident from the fact, that, judged by the standards laid down by the Agricultural Society, only two out of the five competitors had fodder reserves in excess of what was considered to be their actual requirements. As 50 points out of 200 are allotted for this aspect of the competition, these two competitors were able to establish a substantial lead on the remainder.

Most farmers in the district had made laudable efforts to conserve their hay in good condition by the building of substantial sheds, barns, or silos, the provision of mouse-proof stands for cereal hay stacks, and by paying attention to thatching.

The type of farming among the competitors varied considerably; three were cereal farmers who carried sheep and a few cattle as a valuable adjunct. In two of these cases there was no irrigation while in the other there was very little. In another case a relatively small area was under irrigated lucerne and subterranean clover. In the remaining instance, 700 out of 5,000 acres was under irrigated lucerne and pastures, and by far the greatest part of the fodder conserved consisted of lucerne or meadow hay.

These variations complicated considerably the task of the judge, and it is competent to record here some of the difficulties encountered,

First, with regard to the suitability and quality of the fodder, while it is generally conceded that lucerne and meadow hay are most suitable for supplementary feeding to cattle and sheep, on account of their combination of relatively high quality with adequate bulk or fibre content, it is obviously impossible for a dry farmer to produce these fodders. In such cases, some allowance must be made for the fact that only cereal hay and grain were conserved. Of course silage is very suitable fodder for cattle in supplementing dry feed, and where this had been conserved due credit was given.

Only very vague information could be obtained as to production, storage, and feeding costs. Obviously, both lucerne, meadow hay, and silage can be conserved more cheaply than cereal hay or grain. The low cost of handling grain in feeding out to the stock compensates slightly for the relatively high cost of production.

The only evidence as to whether a property was over or under stocked, that could be obtained in a brief inspection, was the condition of the stock and the appearance of the grazing paddocks. Provided the condition of both was reasonably good, the number of stock carried was applied to the *per capita* requirements stipulated in the conditions of the competition. In this respect more elasticity would be desirable, as it is evident that without irrigation at his disposal, a grazier is more at the mercy of the seasonal variations in rainfall. If he desires to maintain a fairly constant carrying capacity it is imperative for him to have on hand more than the quantity of conserved fodder necessary to feed out in one ordinary season.

The grazier with a considerable area under irrigation can adjust the relative areas under lucerne or winter pasture of Wimmera rye grass and subterranean clover, so that comparatively little supplementary feeding is necessary. The supplement to his dry pastures is provided largely by growing lucerne in the summer months and Wimmera rye grass and subterranean clover in the autumn, winter, and spring. Consequently the irrigationist is handicapped, as far as this competition is concerned, if he finds it unnecessary to conserve even the minimum requirements as stipulated in the conditions. While it is

imperative to have conserved fodder on hand to supplement the grazing as need arises, it is obviously more economic to balance as much as possible the available pasturage throughout the year and avoid the comparatively costly process of prolonged hand feeding.

Mr. H. Lester-Smith, who gained first place in the competition, has a property of 2,200 acres, of which 1,400 acres are under cultivation. Of the remaining 800 acres 550 acres are under natural pasture, except for a small experimental area of lucerne and perennial rye grass, and 250 acres have been sown down with Wimmera rye grass. Mr. Lester-Smith is also experimenting with early strains of subterranean clover in an endeavour to increase the carrying capacity of his pastures. Some 900 ewes and 200 lambs are carried throughout the year; and 80 to 100 wethers are used to clean up the fallow paddocks. Twenty draught horses are stable fed for most of the year. Only six head of cattle were on the property.

Last harvest an average of ten bags of wheat per acre was obtained from 620 acres. Altogether fifteen stacks of good quality cereal hay, comprising 676 tons, by measurement, were on the property. Some had been built for three years, but as they had been well protected from stock and well thatched, the hay was still in prime condition. Straw cut with the binder from the wheat stubble is used for the thatching, and the thatch is kept in place by strips of wire netting weighted by logs at the ends. Most of the stacks were in mouse-proof stands, while good fences and ploughed fire-breaks surrounded each yard. Not all the hay was concentrated at the home buildings, but for accessibility and saving of time in handling and feeding, well-chosen sites throughout the property were utilized for building the stacks. Thirteen stacks of straw, representing 174 tons, were fenced off at various points throughout the property. Usually the straw is chaffed and fed out with crushed grain, the mixture being damped down with molasses. The sheep have access to the straw stacks only when there is green feed available.

In a corrugated iron barn, with concrete floor, 920 bags of feed oats were stored, while 3,600 bushels of oats were stored in a silo 30 feet high and 15 feet in diameter. There were 10 tons of chaff in the chaff room adjacent to the stable. In a pit silo approximately 50 tons of silage was stored. This silage was made from an early variety of oats (Dawn), which had been cut green. The production cost for cereal hay in the stack was given as 35s. per ton.

As regards the feeding arrangements, everywhere there was evidence of the ingenuity of Mr. Lester-Smith. Effective feeding troughs had been simply and cheaply constructed of old railway sleepers. Long hay was fed out of racks made of 3-in. wire netting suspended on a frame. This avoided waste through trampling or scattering about by wind. Other feeding troughs were constructed out of old oil drums. One " Yarrawonga " type of self-feeder was being used and was giving satisfactory results.

According to the standards laid down, Mr. Lester-Smith had considerably more than twice the actual requirements for the number of stock carried, and yet judging from the condition of the pastures one would not be able to say that the property was under stocked. Further, the number of stock carried was proportionate to numbers carried on other properties where a similar type of farming was in operation.

The winner of the second prize, Mr. A. L. T. Poxon, has a property of 2,150 acres of which

Boort Fodder Conservation Competition.—Details of Award.

Competitor.	Suitability and Quality of Fodder (65).		Location and Protection (30).		Economy of Production, including Production, Storage, and Feeding Cost.	Carrying Capacity when Improved and under Natural Pasture.	Quantity of Fodder in Excess of Requirements on *pro rata* Basis.	Total.
	Suitability of Fodder.	Appearance, Palatability, and Nutritive Values.	Location of Site *re* Fire, Flood, Economy in Feeding and General Access.	Protection from Weather, Pests, Stock, Fire, and Deterioration.				
Possible points	**30**	**35**	**10**	**20**	**20**	**35**	**50**	**200**
1. H. Lester-Smith ..	25	31	9	19	15	35	50	184
2. A. L. T. Poxon ..	24	31	8	19	15	35	6	138
3. J. D. Fyfe and Son	28	32	9	18	19	30	..	136
4. V. H. Lanyon ..	26	33	8	18	17	32	..	134
5. F. G. Smith ..	22	24	7	14	15	24	..	106

[*Continued on page 260.*

Registration of Stallions

Seventeenth Annual Report

By R. J. de C. Talbot, B.V.Sc., Chief Veterinary Inspector

IN presenting this the seventeenth annual review of the operations of the Horse Breeding Act, it is gratifying to draw attention to the outstanding evidence of a decided increase of interest in the horse breeding industry, as exemplified by the fact that the number of stallions of all classes registered under the Act during the year exceeds all previous records.

The total number of registrations is 1,775, comprising 1,302 draught, 292 light, and 181 pony. The total figure is an advance of more than one thousand over the number of registrations in the year 1930–31, when 757 stallions were registered.

As mentioned in the last Annual Report, there was a definite shortage of draught horses in the State during the period 1928–1930, but this has now been overcome, and it is not anticipated that the number of registrations will increase to any extent above the figures for this year.

During the season under review, 393 parades were held. Of these 237 were scheduled and 156 were special examinations held at the expense of the owners. In previous reports owners have been urged to present their stallions for examination at scheduled parades and thus save themselves unnecessary expense. In spite of these repeated requests, the number of applications for special examinations last year was the greatest for many years, and involved the veterinary staff in a great deal of what is, after all, unnecessary travelling. In the coming season it will not be possible to arrange for special examinations during the currency of the scheduled parades.

In all, 1,210 stallions were presented for examination during the season, an increase of 34 over the previous record figure of 1935–36.

The numbers of stallions of all classes examined for the past two seasons are as follow:—

Year.	Draught.	Light.	Pony.	Total.
1936–37	964	172	74	1,210
1935–36	934	171	71	1,176
Increase ..	30	1	3	34

Of the number examined this year, 852 were registered and 358 were refused registration. Of the latter number 154 or 12.7 per cent. were rejected on account of unsoundness and 204 or 16.8 per cent. were refused registration because they were considered to be below a reasonable standard in respect of type, conformation and/or breeding. The total percentage of rejections was 29.5 per cent., which is an improvement of 2 per cent. on the figures for last year and the lowest for the past six years.

The number of rejections for unsoundness represents an increase of 1 per cent. on last year's figures, and while it is low when compared with previous years it is still high, and undoubtedly, is due to the use of unsound mares for breeding and, as was mentioned in the last report, to the fact that a large number of rejected stallions are being kept by owners for use on their own mares in accordance with the provisions of the Act. With these two factors operating, the percentage of unsound horses will always remain high.

The percentage of rejectments for type and conformation (16.8 per cent.) was the lowest for many years, but it would have been still lower but for the fact that a large number of colts

SUMMARY OF EXAMINATIONS, 1936-37.

	Draught.		Light.		Pony.		Total.	
	Examined. 964	Certificated. 662	Examined. 172	Certificated. 126	Examined. 74	Certificated. 64	Examined. 1,210	Certificated. 852
	Rejected.	Per cent. Rejected.	Rejected.	Per cent. Rejected.	Rejected.	Per cent. Rejected.	Rejected.	Per cent. Rejected.
Bog Spavin	3	·311	..	..	..	..	3	·248
Bone Spavin	..	..	2	1·163	..	..	2	·165
Chorea (Nervy)	5	·519	..	..	..	..	5	·413
Curb	..	..	..	..	..	..	..	..
Ringbone	2	·207	5	2·906	..	..	7	·578
Roaring	1	·104	..	..	..	..	1	·083
Sidebone	127	13·174	..	..	..	..	127	10·496
Stringhalt	6	·622	2	1·163	1	1·351	9	·744
Through unsoundness	144	14·937	9	5·232	1	1·351	154	12·727
Through disapproval	158	16·390	37	21·512	9	12·162	204	16·859
Total	302	31·327	46	26·744	10	13·513	358	29·586

SUMMARY OF EXAMINATIONS, 1935-36.

	Draught.		Light.		Pony.		Total.	
	Examined. 934	Certificated. 615	Examined. 171	Certificated. 127	Examined. 71	Certificated. 58	Examined. 1,176	Certificated. 800
	Rejected.	Per cent. Rejected.	Rejected.	Per cent. Rejected.	Rejected.	Per cent. Rejected.	Rejected.	Per cent. Rejected.
Bog Spavin	1	·107	..	..	..	..	1	·085
Bone Spavin	1	·107	..	..	..	..	1	·085
Curb	..	..	1	·584	..	..	1	·085
Nervy	4	·428	..	..	..	..	4	·340
Ringbone	4	·428	2	1·170	..	..	6	·510
Sidebone	111	11·885	..	..	..	..	111	9·439
Stringhalt	4	·428	2	1·170	..	..	6	·510
Thoroughpin	..	..	..	..	..	..	..	..
Through unsoundness	125	13·383	5	2·924	..	..	130	11·054
Through disapproval	194	20·771	39	22·807	13	18·309	246	20·918
Total	319	34·154	44	25·731	13	18·309	376	31·972

[*Continued on page 253.*

Stallion Register 1936-37

(Under the Horse Breeding Act 1928)

Registrations prior to the 1st April, 1937.

Cert. No.	Name.	Age* and Class.	Owner and Address.
174	Abbotsford Cavalier	3 D.	H. E. Ward, Ballarat
414	Abbotsford Chancellor	4 D.	J. M. Smith, New Zealand
191	Abbotsford Supreme	5 D.	U. P. Broome, Tocumwal
940	Abron Hill Design	5 D.	O. R. Pietsch, Areegra
1236	Acton's Choice ..	5 D.	Hancock and Wakenshaw, Bambill
1268	Addale	3 D.	J. Saunders, Hopetoun
894	Admiral Derby ...	4 L.	L. J. King, Quambatook
144	Admiral Ribbon Wood	A. L.	E. Jones, Manangatang
1032	Afew	5 L.	R. E. Larkens, Warrak
1620	Ahitana Gift ..	A. D.	J. Leydon, Kilmore
747	Ailsa Craig Chief..	4 D.	Messrs. McFarlane Bros., Anakie East
1066	Ailsa Craig Laddie	4 D.	C. Carter, Karrawinna
143	Ailsa Craig Wright	A. D.	A. W. Watters, Wunghnu
635	Air King ..	5 L.	T. Allen, Glenloth
890	Alambra ..	A. P.	J. H. Grimmet, Laanecoorie
889	Alick Again ..	6 D.	J. McKinnon, Yielima
472	Ali Pasha ..	4 T.	Executors of the Estate of the late C. Campbell, Swan Hill
1514	Alladan's Pride ..	4 P.	W. D. Mann, Barfold
888	Allan Cleve ..	A. L.	R. C. Gordon, Drumanure
203	Allandale ..	A. D.	E. A. Altmann, Rainbow
547	Allanlea ..	4 D.	W. T. Rodda, Tarranyurk
1600	Allan Stewart ..	A. D.	E. A. Dennis, Swanpool
794	All Craig ..	4 D.	Erbs Bros., Trafalgar
390	Allendale ..	A. D.	A. J. Dorahy, Bolinda
332	Allendale Sensation	A. D.	J. A. Dufty, Mount Elgin
1654	Allen Pronto ..	A. L.	W. D. Taylor, Spring Vale
692	Allerton Supreme	4 D.	V. Coats, Mount Jeffcott
790	Allowa Duke ..	3 D.	S. L. Mitchell, Woomelang
1399	Allowa Wynndal..	4 D.	J. Walker and Sons, Almurta
1400	All's Well ..	A. D.	G. R. Starritt and A. D. Keir, North-West Mooroopna
930	Almont King ..	3 L.	Mrs. J. E. Larke, Oakleigh
724	Altair Duke ..	4 D.	T. Kelly, Minyip
391	Alto Minstrel ..	6 L.	E. G. Jones, Underbool
964	Alverton Baron Stephen	5 D.	M. B. Delahunty, Murtoa
937	Alverton Satisfaction	4 D.	E. F. Hancock, Warracknabeal
225	Alview Dignity ..	3 D.	D. N. McDonald, Miram South
12	Amby Park Flashlight	4 D.	E. McDermott, Tapley's Hill, South Australia
11	Amby Park Impression	3 D.	K. Cameron, Warracknabeal
413	Amyville Fashion	A. D.	A. W. Richards, Trawool
14	Amyville Knight..	3 D.	S. A. Greig, Westbury, Tasmania
1306	Anchor II. ..	3 L.	G. Pearse, Nyah West
926	Anchordale ..	3 P.	A. F. McDonald, Mead
88	Angle Court ..	6 L.	Mrs. S. M. Hore, Wymah, New South Wales
1690	Antonio ..	6 L.	W. J. Paton, Lismore
887	Aran Isle ..	A. L.	H. M. Brown, Leitchville
1238	Archaics Heir ..	5 D.	R. T. Hill, Hanson South
1028	Ardlaw Supreme..	4 D.	J. T. Wright, Charlton
1491	Ardmore ..	A. D.	A. Pollock, Derby
1341	Argyle Chief ..	4 D.	G. A. Knight, Lake Bolac
869	Argyle Scottie ..	4 D.	C. J. Symes, Walpeup
531	Argyle's Refiner ..	3 D.	E. Schmidt, Kellalac
886	Armadales Elect ..	A. D.	R. V. Colliver, Cora Lynn
1632	Aronmot Bute ..	3 D.	T. Tyquin, Laverton
180	Arthur's Pride ..	A. D.	Gowanford Stallion Club, Gowanford
725	Assure Derby ..	5 L.	J. Coffey, Murtoa
1591	Auchenlea ..	3 D.	R. T. Haines, Finley, N.S.W.
184	Aussie Dibblitz of Fenwick	A. P.	Mrs. A. D. Maclean, Yan Yean
1351	Autogiro ..	3 T.	J. J. Hardy, Casterton
412	Avalon Park Premier	4 D.	G. A. Konig, Jung North
392	Aviator	A. D.	J. Currie, Balmattum
393	Avondel Drumbaron	A. D.	L. Cullinan, Longlea
782	Avon Hero ..	5 D.	M. Foley, Llowalong
1250	Avonlea Bold Master	3 D.	Mrs. F. J. Pilgrim, Gre Gre
1721	Baby Pocket ..	3 P.	J. Lewis, Moyhu
275	Balgreen Pioneer..	4 D.	E. and B. Hawkins, Tocumwal
181	Balgrochan Warrior	A. D.	N. Ramsay, Newbridge
42	Balkan King ..	A. T.	H. N. Walpole, Whorouly South
1761	Ballygolly Again..	A. P.	J. P. Moore, Maryborough
394	Balmedie Bold ..	6 D.	J. Henderson, Baulkamaugh North
262	Balmedie Chief ..	6 D.	W. Bath, Inverleigh
89	Balmedie Endeavour 2nd	A. D.	W. Elsom, Dart Dart
821	Balmerino ..	A. T.	W. D. Wright, Broadford
673	Bamawm ..	6 T.	K. Turnbull, Wedderburn
33	Banaghar ..	6 T.	F. Wood, Tallangatta
1021	Bangaroo Dignity	3 D.	A. W. Menzel, Nhill
1730	Bangaroo Honour	A. D.	C. A. Schulze, Detpa
543	Banjo	5 D.	O. H. Keller, Nhill
1471	Banner Boy ..	3 L.	M. Purcell, Bessiebelle
1530	Bannockburn Panacea	5 D.	P. B. Malone, Leichardt
715	Bannock Dale ..	6 D.	E. A. McArthur, Sea Lake
908	Baraclan ..	6 T.	T. B. Waters, Corryong
714	Barkoola Prince ..	A. P.	A. G. Stewart, Frankston
622	Barley Spear ..	A. T.	F. W. Rowe, Cassilis
1723	Barney	A. P.	P. L. Ryan, Rochester
1298	Barney Ideal ..	5 D.	E. P. William, Beulah West
1605	Baron	A. D.	J. Carroll, Mudgegonga
1252	Baron Again ..	4 D.	W. J. Wohlers, Pinnaroo
621	Baron Agitation ..	A. D.	Dukelow Bros., Mt. Cotterell
904	Baron Banjo ..	A. D.	P. K. Tomkins, Wando Vale
620	Baron Baritone ..	A. D.	A. G. Mibus, Croxton East
73	Baron Bellicose ..	A. D.	H. V. McLean, Banyan
1647	Baron Boy ..	A. D.	R. Della Vedova, Donald
411	Baron Brae ..	6 D.	W. Crosbie, Birchip
410	Baron Buccleigh ..	6 D.	K. Tobin, Jung
409	Baron Carlyle ..	A. D.	I. Irvine, Nicholson
903	Baron Chief ..	A. D.	S. E. McIntyre, Condah
202	Baron Clyde ..	A. D.	F. Algie, Nyah West
1531	Baron Crombie ..	5 D.	T. Genders, Lockwood
1209	Baron Crystal ..	3 D.	T. F. Tait, Corowa
1752	Baron Dale ..	A. D.	E. Coad, Camperdown
1216	Baron Dale ..	5 D.	V. J. Lafranchi, Cowangie
1612	Baron Darnley ..	A. D.	H. Hibbins, Ultima
1067	Baron Deighton ..	3 D.	A. P. Swann, Werrimul
147	Baron Douglas ..	A. D.	T. Buckley, Romsey
261	Baron Douglas ..	A. D.	J. S. Sunimerhayes, Banyena
1275	Baron Duke ..	5 D.	W. H. Rice, Cocamba
619	Baron Estill ..	A. L.	J. Medlyn, St. Arnaud
618	Baron Footprint	A. D.	H. C. Wilson, Raywood
1545	Baron Jack ..	A. D.	Mrs. E. E. Pickering, Hopetoun
1557	Baron King ..	A. D.	W. Watts, Kamarooka
320	Baron Lee ..	A. D.	G. Bowman, Duniuce
617	Baron Loch ..	A. D.	W. Kempton and Sons, Camperdown
1384	Baron Lyndale ..	3 D.	Murdoch and Taberner, Korumburra
1751	Baron Mac ..	A. D.	M. J. Francis, Fosterville
713	Baron Major ..	A. D.	W. Hand, Willenabrina

* *Note.*—Age in years. A., aged; D., draught; L., light; P., pony; T., thoroughbred.

STALLION REGISTER 1936–37—*continued.*

Cert. No.	Name.	Age* and Class.	Owner and Address.
395	Baron Masterstroke	A. D.	Donnan Bros., Watchupga
712	Baron May ..	A. D.	K. P. O'Brien, Tennyson
660	Baron Mountain Monarch	A. D.	E. C. Gibbs, Kew
684	Baron Orchy ..	4 D.	W. V. Martin, Glenorchy
1381	Baron Pettie ..	A. D.	J. Hassell, Heathcote
936	Baron Premier ..	5 D.	F. A. Cameron, Warracknabeal
61	Baron President ..	4 D.	T. Wallbridge Pty. Ltd., Melbourne
711	Baron Pride ..	6 D.	L. Belleville, Watchem
115	Baron Pryde ..	6 D.	T. A. Sanderson, Pinnaroo
752	Baron Salisbury ..	5 D.	M. Sim, Broadwater
74	Barons Best ..	A. D.	W. R. Black, Kaniva
1311	Barons Fashion ..	5 D.	R. Yettman, Turriff East
710	Baron Silk ..	A. D.	L. C. Leseberg, Rutherglen
820	Barons Imprint ..	6 D.	J. S. P. Allen, Broughton
1314	Barons Patch ..	4 D.	Mrs. E. G. Romeo, Patchewollock
103	Baron Sportsman	6 D.	L. J. McClelland, Woomelang
1068	Barons Pride ..	3 D.	A. Holland, Goyura
1315	Barons Pride ..	4 D.	E. A. Finch, Speed
408	Barons Royal Chief	A. D.	I. C. McLean, Berriwillock
819	Barons Star ..	A. D.	W. J. Currell, Cowley's Creek
1684	Baron Style ..	A. D.	J. P. Belleville, Watchem
818	Baron Victor ..	A. D.	W. P. Leach, Lake Bolac
148	Baron Wallace ..	6 D.	C. Gready, Carron
182	Baron Weerite ..	A. D.	J. Manifold, Weerite
183	Baron Willie ..	A. D.	L. A. C. Morris, Numurkah
717	Baroona Boomerang	A. D.	F. Jennings, Coleraine
1350	Baroona Flash Slade	3 D.	E. J. Black, Dunrobin
1346	Baroona Slade Light	3 D.	L. Price, Condah
101	Battery Head ..	6 T.	R. H. Larcombe, Mt. Moriac
1442	Battlement ..	3 D.	R. V. Quick, Angip
104	Battyll	A. T.	Muller Bros., Nagambie
817	Bay Garvin ..	A. D.	J. Nash, Corio
1279	Beam's Best ..	4 D.	F. P. Ellard, Rupanyup
1450	Beau Cavalier ..	A. D.	G. Binns, Hardings
131	Beau Fils ..	A. T.	T. W. Mitchell, Corryong
503	Belford Knight ..	A. D.	R. Lemon, Korong Vale
407	Belgians Boy ..	A. D.	H. G. Kruger, Croxton East
105	Belgians Choice ..	A. D.	F. R. Widdicombe, Casterton
1458	Bell Metal of Mundurno	3 P.	W. E. Clinton, Heidelberg
822	Belmont ..	A. D.	G. H. Winnett, Reedy Flat
306	Belmont Again ..	A. D.	O. Jaeschke, Angip
1283	Belverne Masterpiece	A. D.	H. Sundermann, Dawson
188	Belville Favourite	6 D.	A. F. Young, Pinnaroo
226	Belvue Dignity ..	4 D.	D. N. McDonald, Miram South
1486	Benambra ..	4 L.	J. Paton, Tallangatta
609	Beneveto ..	4 D.	E. F. Jensz, Katyil
627	Ben Hamilton ..	A. D.	J. A. Jones, Woomelang
278	Ben Lomond ..	A. D.	R. Stokes, Brunswick
130	Benowrie Baron Dale	A. D.	S. Gould, Wedderburn
1049	Benowrie Choice	3 D.	Bouchier Bros., Swanwater West
201	Bentrovata ..	A. D.	W. Barber, Lorquon
944	Berkley's Top ..	5 P.	W. Weigall, Couangalt
62	Bernasconie Commander	5 D.	Jeffrey Bros., Tallygaroopna West
1078	Bernasconie Marshall	4 D.	R. F. Jones, Barfold
260	Berwick Victor ..	A. D.	H. Doherty, Yundool
1100	Bill Marie ..	5 T.	D. Murphy, Rochester
1707	Billy	4 P.	F. Byng, Port Melbourne
1024	Bingarra Bold Style	4 D.	Taylor Bros., Tongala
1522	Bingen	A. L.	C. S. Wellington, Drumanure
915	Blackadder ..	A. T.	J. G. Adams, Mansfield
1663	Black Bunny ..	A. P.	Mrs. F. R. Renwick, Cheltenham
1616	Black Campbell ..	6 D.	W. G. Giles, Hopetoun
1660	Black Consul ..	5 L.	A. Kennedy, Tatura
1498	Black Coon ..	4 P.	B. O'Sullivan, Seymour
1342	Black Dale ..	5 D.	W. H. Waldron, Carramballac
106	Black Jack ..	A. P.	J. Bell, Merino
1152	Black Prince ..	3 D.	N. J Heal, Katunga
406	Black Prince ..	A. P.	H. Scarce, Roslynmead
545	Black Prince ..	5 D.	M. Harris, Quantong
396	Black Prince ..	A. D.	W. J. Ibbs, Gannawarra
1189	Black Shadow ..	4 D.	W. R. and M. Gadd, Wodonga
1579	Black Shepherd ..	A. D.	Simpson Bros., Yambrina
1106	Blackthorn of Penniwells	A. P.	Miss M. Small, Hawthorn
1482	Black Wasp ..	A. P.	E. Wheelahan, Ballan
1689	Blairs Laddie ..	A. D.	C. G. McKenzie, Boonoonar
1105	Blairs Pride ..	A. D.	Moloney Bros., Patchewollock
176	Blairwood Sunlight	4 D.	O. Bassett, Sandmount
175	Blairwood Sunrise	3 D.	Webster and Sons, Balldale, New South Wales
1464	Blend Royal ..	6 D.	G. S. Wall, Earlston
1322	Blighty Bombardier	4 D.	B. Lawrence, Lockington
1079	Blighty Captain ..	3 D.	A. T. Williams, Numurkah
1441	Bloomfield Craig	A. D.	J. Waite, Nathalia
29	Bloomfield Crusader	3 D.	J. C. Thornton, Waaia
13	Bloomfield Garry	3 D.	R. Ritchie, Numurkah
30	Bloomfield Select	3 D.	J. C. Thornton, Waaia
1635	Blue Danube ..	4 P.	T. Slattery, Yambuk
951	Blue Fleur ..	5 T.	J. D. Potter, Green's Creek
763	Blue Hills Robin	4 D.	A. J. Oxley, Glengower
1363	Blue Ideal ..	3 P.	C. MacGregor, Cowwarr
1488	Blue Monk ..	A. L.	J. W. Bartlett, Stratford
463	Blue Peter ..	A. D.	R. J. Hine, Rowsley
1104	Bob Avon ..	A. P.	P. Maher, Tatura
689	Bobbie Bells ..	3 L.	J. Jardine, Rathscar
1750	Bobby	A. P.	W. R. Cumming, Camperdown
367	Bobs	A. D.	A. O. Allen, Murrayville
1558	Bob Simmer ..	A. P.	R. J. Darcy, Mooroopna
405	Bold Arthur ..	A. D.	G. L. Curtis, Wangaratta
999	Bold Barold ..	4 D.	J. Axford, Terang
90	Bold Bill ..	A. P.	J. R. Morrison, Terang
91	Bold Boy ..	6 D.	T. G. Marshall, Lorquon
259	Bold Boy ..	A. P.	C. R. Golding, Stanhope
1257	Bold Brae ..	5 D.	D. H. Light, Curyo
305	Bold Briton ..	A. D.	A. L. and H. A. Pitcher, Tatyoon
1103	Bold Captain ..	A. D.	J. W. Meier, Nhill
1102	Bold Corriedale ..	6 D.	M. D. Fitzpatrick, Barraport West
403	Bold Dale ..	A. D.	J. Raynes, Donald
1101	Bold Douglas ..	A. D.	R. Stewart, Barwite
441	Bold Drumcross ..	A. D.	C. Simon, Leongatha
1683	Bold Favorite ..	A. D.	A. White, Bridgewater
583	Bold Favour ..	4 D.	J. Davies, Curlewis
1546	Bold Jack ..	6 D.	J. Mann, Ceres
693	Bold Jack ..	5 D.	M. T. Hogan, Jeffcott
331	Bold King ..	A. D.	D. Rumbold, Baringhup West
170	Bold Lad ..	4 D.	A. L. Mills, Byrneville
1029	Bold Laddie ..	5 D.	J. O'Connor, Charlton
142	Bold Pat ..	A D.	B. H. Jones, Walpeup
626	Boldrewood ..	6 T.	G. Cruse, Rochester
438	Bold Scott ..	A. D.	R. Atkins, Mitre
1299	Bold Silk ..	5 D.	A. P. Wade, Glen Alvie
1562	Bold Success ..	A. D.	J. Rumbold, Laanecoorie
247	Bold Squire ..	A. D.	W. A. Gebert, Galaquil
942	Bold Victor ..	5 D.	J. W. Skehan, Oxley
625	Bold Voyage ..	A. L.	G. McDonnell, Mt. Egerton
1743	Bold Wallace ..	A. D.	W. J. Wohlers, Pinnaroo
311	Bon Accord ..	A. D.	L. R. Brindley, Avondale
529	Bon Ayr Tartan ..	3 D.	L. Launder, Pine Lake
1312	Bon Duror ..	3 D.	A. E. Johnston, Mologa
1669	Bonnie Baron ..	A. D.	R. N. Scott, Kongwak
1694	Bonnie Brae ..	5 D.	T. G. Dellar, Wilinabrina North
76	Bonnie Caesar ..	A. L.	C. N. Campbell, Glenorchy
1010	Bonnie Clyde ..	4 D.	Mrs. M. Crosbie, Piermillan
624	Bonnie Knight ..	A. D.	A. D. McLennan, Derrinal
56	Bonnie Lad ..	A. D.	J. H. Haustorfer, Natimuk
1230	Bonnie Norval ..	3 D.	J. Macpherson, Toolern Vale
141	Bonnie Prince ..	A. D.	M. P. Cleary, Nooramunga
1593	Bonnie Prince Charles	6 D.	R. W. Dunn, Burrumbeet
902	Bonnies Pride ..	6 D.	J. F. Harrington, Tempy
1463	Bonnie Star ..	A. D.	E. S. Gillespie, Rockbank
129	Bonnie View Dignity	A. D.	J. L. Judd, Yanac
1354	Bonny Jim ..	A. P.	W. J. C. Weigall, Seymour
901	Bonny Mac ..	A. D.	F. R. Lovell, Rocky Point
981	Bonny View Hero	5 D.	C E. Roulston, Coleraine
1232	Bon Royal ..	3 D.	W. Hornsby, Karawinna
927	Benshaw ..	4 T.	W. J. Ibbs, Gannawarra

Note.—Age in years. A., aged; D., draught; L., light; P., pony; T., thoroughbred.

STALLION REGISTER 1936–37—*continued.*

Cert. No.	Name.	Age* and Class.	Owner and Address.
272	Bouncer ..	6 D.	G. Burrows, Scottsdale, Tasmania
312	Bowview Knight..	A. D.	A. Olson, Nowie
931	Box Vale Britain..	5 D.	E. J. Semmler, Hopetoun
1736	Box Vale Flash Carlisle	3 D.	Dufty Bros, Lorquon West
868	Box Vale Flash Design	3 D.	Towk Bros., Walpeup
572	Brackenhurst Pride	5 D.	A. Gibbard, Vectis East
1244	Bracbank Beneficent	3 D.	W. G. Wilkinson, Yarrawonga
1560	Braemore Baron ..	A. D.	A. L. Young, Invergordon
1443	Brave Boy ..	A. D.	R. B. Campbell, Caulfield
1192	Braw Lad ..	5 T.	C. J. Goldsworthy, Wandilligong
1563	Braw Laddie ..	A. D.	W. J. Tyack, Yalca
1231	Brigham Boy ..	6 P.	R. Beasley, Boinka
303	Brigham Lad ..	A. P.	J. W. Ewing, Penshurst
1674	Brigham's Sambo	3 P.	R. H. Grimmer, Wickliffe
925	Bright Lake ..	A. D.	H. McKibbon, Buffalo River South
23	Brighton Hero ..	5 D.	W. and D. Davies, Wail
434	Bright Star ..	A. D.	J. Walker, Lara Lake
1377	Brilliant Dawn ..	5 D.	S. L. Bowden, Won Wron
1668	Brilliant Jim ..	A P.	R. N. Scott, Kongwak
1511	Brilliant Knight ..	3 D.	L. Halloran, Kyneton
1644	Brilliant Morn ..	A. D.	H. Sundermann, Dawson
1710	Brilliant Youth ..	A. D.	L. Walter, Tatura
1478	Britannia ..	A. D.	C. S. Rodda, Warracknabeal
107	Britons Bold ..	A. D.	O. W Bergmann, Moutajup
1731	Britons Fame ..	A. D.	C. A. Schulze (jnr.), Lake Hindmarsh
623	Broadview Premier	A. D.	J. P. and C. Della, Lake Hindmarsh
1323	Bromley Mac ..	3 D.	Buchanan Bros., Rochester West
920	Bronze Eagle ..	4 P.	A. L. Hamilton, Corryong
1343	Broomfield Royal	5 D.	E. Meek, Streatham
828	Broughdoun Underslade	A. D.	J. Henderson, Baulkamaugh
366	Brown Alexander	A. D.	W. Studman, Lucknow
185	Brown and Gold..	6 L.	D. McIntyre (jnr.), Victoria Valley
1048	Brunstane Impress	4 D.	McQueen Bros., Waubra
1755	Buchlyvies Choice	A. D.	R. Hicks, Miram
1365	Bungador Dale ..	3 D.	Fuzzle Deen, Bungador
1037	Burnbank Chief ..	3 D.	E. Mibus, Katyil
1390	Burn Brae Craig..	3 D.	D. R. Cameron, Sunshine
1047	Burnfoot Ideal ..	A. D.	W. J. T. Clarke, Dunkeld
1362	Burnfoot's Pride..	3 D.	C. W. Joiner, Orbost
246	Burnside Baron ..	A. D.	R. M. Burns, Wallan Wallan, New South Wales
1030	Burnside Choice ..	3 D.	B. Storey, Teddywaddy
608	Butes Flashdale ..	A. D.	M. J. Ryan, Broughton
1760	Bylands Brilliant	A. D.	H. D. Adams, Undera
827	Bylands Treasure	6 D.	D. Crane, Nathalia
440	Canusa	A. T.	W. F. Weigall, Couangalt
1594	Capitalist ..	A. D.	A. K. Urquhart, Hexham
470	Captain Douglas ..	3 D.	Sheedy Bros., Cororooke
1297	Captain Jake ..	3 D.	Mrs M. J. Murphy, Rainbow
826	Captain Lochiel ..	A. L.	Mrs. L. Haigh, Garfield
968	Captain Mac ..	4 D.	W. Marke, Girgarre East
334	Captain Regulus	A. D.	Phillips Bros., Tatyoon
1015	Captain Slade ..	5 D.	W. G. Burns, Lemon Springs
140	Captain Wood ..	A. L.	J. A. Menzel, Hamilton
330	Caravio ..	A. P.	E. McKoy, Wodonga
1156	Carmore ..	5 D.	L. T. Powles, Cobram
1176	Carn Brae ..	5 D.	Mouser and Sons, Banyan
1700	Carngham Favour	A. D.	Pearce Bros., Kewell North
283	Carnlea Baron Chief	4 D.	W. Cook, Diapur
439	Carnlea Willie Star	3 D.	E. and H. Shalders, Kewell North
245	Carovita ..	A. P.	W. H. Jordon, Mirboo North
1222	Carunga ..	4 D.	S. G. Hayward, North Wangaratta
1757	Carville ..	A. T.	D. Hade, Bass
32	Cavalcade ..	5 D.	Tucker Bros., Jung
1590	Cave King ..	A. L.	H. McKnight, Capel's Crossing
1737	Centredale ..	A. D.	R. McKenzie, Yarram
436	Ceren Favourite ..	5 D.	Peterson Bros., Kellalac
1184	Ceren Prince ..	4 D.	J. Rumbold, Laanecoorie
1193	Charlie Mattan ..	4 L.	T. J. Hollonds, Tawonga
244	Chief Alex ..	A. D.	Mrs. E. Howe, Huntly
435	Chief Douglas ..	A. D.	R. S. Brunt, Kyabram
825	Christmas Eve ..	A. P.	R. Gardiner, Yannathan
149	Civilian ..	A. T.	C. Jones, Moyhu
365	Clairs Pride ..	A. D.	J. Nunn (jnr.), Birchip West
824	Clan Stewart ..	A. D.	T. G. Bartlett, Gerang Gerung
243	Clarkvale Squire	6 D.	Executors of the estate of the late J. H. Rogers, Yarraville
1142	Claybank's Captain	4 D.	P. D. Cattanach, Hopkins' Tank
879	Claybanks Napoleon's Master	4 D.	C. F. Hahnel, Timberoo South
878	Claybank's Pride	4 D.	C. Murfitt, Kiamal
1077	Claybank's Sammy	5 D.	V. S. Carter, Merrinee
881	Claybanks Valchief	3 D.	W. H. Gibbins, Galah
434	Claymore Junior	A. P.	E. Bromley, Tungamah
573	Clearfield Dignity	5 D.	A. E. Ballinger, Garup
789	Clematic Major ..	5 D.	D. Woclfe, Warragul
1623	Cleveland Viceroy	A. D.	Craven Bros., Toolamba
1624	Cliffdell ..	A. D.	W. G. Hall, Talbot
1380	Clifton King ..	5 D.	R. L. Henderson, Burrumbeet
1023	Clifton Sensation	5 D.	J. Flockhart, Birchip
1387	Clifton Sunray ..	4 D.	Mrs. E. L. Ryan, Rosebery
1504	Clintons Pride ..	3 D.	M. Toomey, Trentham
1080	Clitheroe Knight	3 D.	C. B. Wearne, Numurkah
258	Clonmore Premier	6 D.	W. Elphinstone, Millgrove
1409	Cloynes Echo ..	5 L.	Mrs. T. Lakey, Brewster
586	Coast Guard ..	A. D.	G. Grey and Sons, Branxholme
329	Cobram Craig ..	A. D.	P. McCormack, Cobram
1166	Cock O'the North	A. D.	N. C. Hodgson, Hedley
1042	Collsfield Monarch	5 D.	C. J. Picken, Oakleigh
417	Collsfield Prince ..	3 D.	J. M. Smith, New Zealand
116	Cole King ..	A. L.	P. Donoghue, South Dudley
743	Colinton Black Prince	4 D.	C. J. Gough, Mansfield
1667	Collarado ..	A. D.	G. Shanaughan, Warracknabeal
1164	Colonel Erskine ..	A. D.	Millard Bros., Dean's Marsh
948	Comet	4 P.	J. J. Leahy, High Camp
242	Commodore ..	A. P.	G. Baillie, Tyers
186	Commodore Nut	A. P.	J. Manifold, Weerite
1595	Confidence ..	A. P.	C. O'Neill, Upper Sandy Creek
34	Conqueror ..	A. D.	C. J. Bowd, Sea Lake
798	Coonara Champion	5 D.	R. V. Colliver, Cora Lynn
496	Coonaras Norval	4 D.	G. W. Burrows, Scotsdale, Tasmania
932	Coorara Flash Ian	5 D.	G. C. Bellinger, Hopetoun
1291	Coorara Pride ..	4 D.	A. V. and H. V. Sleep, Pullut
64	Cooring Dale ..	A. D.	A. N. Hamilton, Bannerton
718	Cooring Monarch	A. D.	A. Murray, Coldstream
1149	Copprice Prince Craig	3 D.	I. and J. Hurlston, Lancaster
504	Corn Vale Bellringer	4 D.	K. A. White, Kangaroo Ground
1719	Corporal Kelvin ..	A. D.	E. D. McCann, Lake Charm
959	Count Bingen ..	A. L.	F. E. Sanders, Netherby
1538	Count Zarynoff ..	A. D.	J. M. Egan, Bunding
399	Crackall ..	A. L.	W. E. Ryan, Molyullah
1627	Craig Athol ..	A. D.	E. P. Maskell, Shepparton
241	Craig Avon ..	A. D.	W. Moore, Rochester
1325	Craigend ..	5 D.	D. Murphy, Rochester
1367	Craigends Pride ..	4 D.	G. A. McNabb and Son, Irrewillipe East
1480	Craighill Holmar	3 D.	T. J. Opie, Kyneton
192	Craigie	A. D.	W. B. Dixon, Ventnor
726	Craigie Again ..	4 D.	G. H. Loats, Brooklet
1162	Craigie Bold Venture	A. D.	A. Arnold, Warracknabeal
111	Craigie Crichton ..	3 D.	J. Fuller, Mitre
1625	Craigie Dalsalloch	5 D.	M. Fowler, Monteagle
433	Craigie Lad ..	A. D.	T. McGrath, Minyip
1456	Craigielea ..	3 D.	Glenn Bros., Tylden
432	Craigie McLennan	A. D.	C. Phillips, Hopetoun
1316	Craigie Master Peace	3 D.	J. Yetman, Patchewollock
831	Craigie Refiner ..	A. D.	A. Arnold, Warracknabeal
637	Craigie Viceroy ..	4 D.	H. J. Bunge, Sheep Hills
239	Craigie Winalone	A. D.	J. A. Tweddle, Waaia
240	Craig of Hazeldean	A. D.	J. L. Dishon, Stavely
861	Craig Park Pride	4 D.	Messrs. Whinray and Sons, Lake Rowan
238	Craig's Ideal ..	A. D.	Mrs. A. Trollop, Cope Cope
1454	Craig's Jack ..	4 D.	— La Pouple, Heathcote
1711	Craigwillie of Bolobek	A. D.	W. Walter, Tatura

* *Note.*—Age in years. A., aged; D., draught; L., light; P., pony; T., thoroughbred.

STALLION REGISTER 1936–37—*continued.*

Cert. No.	Name.	Age* and Class.	Owner and Address.
227	Cressbrook Stamp	4 D.	D. McDonald, Miram South
65	Crightons Tim ..	A. P.	S. A. Greaves, Narre Warren
25	Cromdale Star ..	5 D.	J. W. Cameron, Brim
1460	Cruncher ..	A. D.	F. Quick, Brim
1223	Crystal Glide ..	4 D.	A. E. Payne, Boorhaman
1062	Crystal Jock ..	4 D.	C. A. Taylor, Brimin
607	Culbo	A. P.	A. W. Thomson, Hamilton
917	Cullivel Evergreen	5 D.	W. N. and F. A. Lord, Mitta Mitta
431	Cymbrel ..	A. L.	S. Hancock, Poowong
830	Cymro Harold ..	A. P.	E. J. Boyle, South Lillimur
691	Cymro Lad ..	3 P.	D. Jardine, Maryborough
1451	Cyndette II. ..	A. P.	J. T. Kelly, Briagolong
66	Cyric	6 T.	Boyd Bros., Koroit
284	Dahlen Douglas ..	3 D.	W. Cook, Diapur
430	Dahlen Flash Baron	3 D.	G. D. McEwen, Boyeo
1301	Dahlen General ..	5 D.	J. Teague, Mystic Park
1038	Dahlen Mac ..	5 D.	A. H. Pietsch, Dimboola
237	Dalawney Again ..	6 D.	M. J. Hooper, Towaninnie
429	Dalcrombie ..	A. D.	J. H. Roberts, Lalbert
1475	Dales Fashion ..	4 P.	H. Bullock, Hamilton
171	Dalholm Monarch	4 D.	J. B. Ferguson, Waubra
519	Dalla Baron ..	5 D.	R. J. Croft, Morkalla
1227	Dalla Direct ..	6 L.	T. McManus, Pimpinio
952	Dally's Flash Clyde	4 D.	A. K. Hart, Warracknabeal
633	Dalmore Again ..	A. D.	Millard Bros., Deans Marsh
1495	Dalmore Dale ..	A. D.	Mrs. S. A. Trotman, Stratton
236	Dalmore Dan ..	A. D.	F. J. Matthews, Crowlands
1069	Dalmore Prince ..	5 D.	A. H. Symes, Werrimull
632	Dalmore's Choice	A. D.	A. G. Turnbull, Coleraine
761	Dalmuir's Patriot	5 D.	G. E. Mibus, Moutajup
235	Dalradient ..	A. D.	J. P. Fraser, Beaufort
1506	Dal Wood ..	4 L.	J. H. McBain, Buninyong
965	Dandy	5 P.	W. W. Kennedy, Murtoa
988	Dandy Boy ..	3 P.	J. W. T. Powell, Beeac
986	Dandy Boy ..	4 P.	A. G. and D. W. Gardiner, Cavendish
128	Dandy Dick ..	A. P.	W. Hudson, Merbein West
234	Dandy Duke ..	A. P.	Kong Meng Bros., Longwood
1448	Dandy Luck ..	A. P.	Mrs. M. L. Johnson, Doreen
1055	Dandy Peter ..	4 P.	W. R. Mackay, Avenel
1378	Dandy's Pride ..	5 P.	A. E. Clark, Mack's Creek
1503	Dark Dale ..	4 D.	J. Keogh, Glenlyon
1410	Darkspur ..	4 P.	W. Morcombe, Burrumbeet
1753	Dart	5 P.	P. L. Heenan, Coleraine
1500	D'Artagnan ..	6 T.	J. M. Bellair, Riddell
1713	Dave Douglas ..	A. D.	Colbert Bros., Broughton
286	Daylesford King ..	5 D.	W. W. Stephan, Dimboola
694	Dean Abbey ..	4 L.	E. J. Leeder, Cope Cope
113	Dehlura Bankers Fortune	6 D.	B. Schultz (snr.), Ni Ni Well
1060	Dehlura Scottish Glenalmond	5 D.	Phillips and Burns, Congupna Road
145	Deitical ..	6 T.	L. W. Starling, Tongala
257	Delavan Derby ..	A. L.	W. H. McPherson, Yalca
1092	Depression ..	5 D.	C. H. McDonald, Kerang
1602	Derby Childe ..	A. L.	L. J. King, Barraport
973	Derby Ribbons ..	3 L.	H. W. Maddock, Osborn's Flat
574	Derby Wilks ..	4 L.	T. A. Johns, Drung South
1412	Desert Pos ..	A. L.	J. Hewish, Euroa
575	Deval	5 L.	T. McManus, Pimpinio
1009	Deverondale ..	4 D.	Jackson and McCluskey, Strathmerton
1740	Device	A. L.	Mrs. L. Smales, Irymple
1508	Devonlea Brilliant Craig	3 D.	J. G. Michie, Woodleigh
1303	Devonlea Norseman	5 D.	W. C. Rothacker, Serpentine
63	Devonshire ..	A. T.	T. C. Manifold, Lismore
1188	Devon Spear ..	5 L.	Tyquin Bros., Diggers Rest
716	Diamond Star ..	A. D.	J. McGregor, Cowwarr
187	Dibblitz of Pennilwells	A. P.	Mrs. A. D. Maclean, Yan Yean
1645	Diblitz Minor of Shetland Heights	A. P.	J. T. Laidlaw, Hamilton
233	Dinna Forget ..	A. D.	Stepnell Bros., Scotsburn
511	Direct Alto ..	A. L.	T. Davies, Harrow
764	Direct Star ..	4 P.	J. Johnson, Sunshine
667	Dixie McKinney ..	4 L.	J. Rinaldi, Bealiba
1043	Dixie Pronto ..	5 L.	J. J. Gilbert, Devenish
1555	Domination ..	A. P.	C. T. Luces, Pomborneit
1580	Don Abbey ..	A. L.	Mrs. Jas. Shaw, Goroke
995	Donachie ..	4 T.	T. Shelley, South Geelong
1307	Donald Boy ..	3 D.	A. G. Pearse, Nyah West
723	Donald Caesar ..	4 L.	J. G. Byron, Chiltern
428	Donald Don ..	A. D.	C. Shingles, Stratford
473	Donald March ..	5 D.	W. Tuck, Annuello
1426	Donalds Best ..	A. D.	A. W. and P. J. Bennett, Waitchie
760	Don Dillon ..	3 L.	J. S. Oxley, Strangways
1260	Don Flash ..	4 L.	G. T. Barber, Birchip
1485	Don Globe ..	5 L.	O. J. Cullen, Swan Hill
1618	Don Lionel ..	A. L.	A. E. Davies, Warracknabeal
1556	Donnybrook ..	A. L.	J. Bell, Bowser
1601	Don Salatis ..	A. T.	D. F. McVean, Corryong
897	Don Swift ..	A. L.	A. Harvey, Berriwillock
550	Dooling Slade Avon	5 D.	E. McManus, Sea Lake
1477	Dorals Derby ..	A. L.	F. W. Shillito, Yendon
232	Double Court ..	A. T.	Messrs. Pierce and Wheeler, Towong
744	Douglas Again ..	5 D.	J. A. Pollard, Mansfield
631	Douglas Chief ..	A. D.	E. G. Traeger, Merbein
419	Douglas Credit ..	A. D.	J. M. Smith, New Zealand
1608	Douglas Hero ..	A. D.	G. Condon, Werribee
326	Douglas Patrician	A. D.	T. A. Heard, Noradjuha
327	Douglas Prince ..	6 D.	Hards Bros., Meringur
1234	Douglas Royal ..	3 D.	E. A. Dennis, Kulkine, N.S.W.
418	Downs Major Craig	4 D.	Dyke Bros., Gre Gre
1617	Drumcross Success	A. D.	E. R. Kossatz, Netherby
1278	Drum Hazel ..	4 D.	R. Matson, Timmering East
1754	Drummer Boy ..	A. D.	E. Swanton, Chiltern
1465	Drummuir ..	4 D.	N. W. Quick and Son, Mollongghip
55	Drumry Boy ..	6 D.	A. and E. Anderson, Yea
364	Drumry Equipment	A. D.	H. H. Shandley, Leongatha
279	Drumry's Pride ..	A. D.	K. Rowan, Terrip Terrip
1276	Drury Lane ..	3 D.	J. P. Hearn, Gunbower
1261	Dryazel Flash Boy	4 D.	Ferrier Bros., Birchip
1386	D's Memento ..	4 D.	A. D. Logan, Shepparton
1249	D's Victor ..	4 D.	A. McRae and Sons, Gre Gre North
606	Duddon ..	A. T.	A. P. Wade, Glen Alvie
1490	Dukemore ..	A. D.	W. A. Maxwell, Lascelles
1420	Duncan Stewart ..	A. D.	N. Farley, Willung
1692	Dundrum ..	6 T.	W. H. Arthur, Lillimur
1	Dunduff Gold Standard	5 D.	E. and R. Hehr, Woolert
44	Dunduff Signet ..	6 D.	W. J. Cobbledick, Bunbartha
427	Dunira James ..	A. D.	S. O'Neill, Minyip
1619	Dunure Blend ..	A. D.	J. S. Gull, Kenmare
605	Dunure Dale ..	A. D.	J. Boyle, Watchem
1417	Durham ..	4 P.	J. H. Lienhop, Bendigo
304	Dusky Dandy ..	6 P.	W. Bourke, Denison
1664	Earl Direct ..	A. L.	F. McClelland, Boort
562	Early Morn ..	5 D.	G. H. Powell, Lillimur
426	Eastwood Renown	3 D.	J. Price, Mologa
1607	Eaton Headlight ..	A. D.	E. W. Schneider, Yulecart
256	Ebony Stamp ..	A. D.	J. Tallent, Berrybank
85	Eclypse ..	A. D.	G. Wakefield, Walpeup
474	Eclypse of Lauriston	A. D.	R. W. Weir, Ouyen
230	Eldorain ..	6 L.	D. McDonald, Miram
1709	Ellangowan ..	A. D.	W. Walter, Tatura
1333	Ellerslie Commander	5 D.	F. M. Cheatley, Elmore
1611	Ellerslie Dale ..	A. D.	J. Hegarty, Turriff
1086	Ellerslie Holton ..	4 D.	G. J. Richards, Massey P.O.
555	Ellerslie Lord Fenwick	5 D.	E. Prater, Berriwillock
882	Ellerslie Masterpiece	3 D.	G. N. McGregor, Galah
1040	Ellwood Overlade	3 D.	W. Elsom, Dart Dart
630	Emerson ..	A. T.	A. Arnold, Werrigar East
695	Ennisvale Favour	4 D.	W. J. Dixon, Donald
425	Enterprise ..	A. D.	C. H. Perkins, Rainbow
280	Erclidale Norval ..	6 D.	C. Gillespie, Bradvale
108	Eskdale Nugget ..	A. D.	T. Lay, Eskdale
273	Ettrick Bankdraft	A. D.	J. Turnbull, Bungowannah, New South Wales
956	Ettrick Baron ..	4 D.	T. Draper (jnr.), Yackandandah
629	Ettrick Dale ..	A. D.	J. Fuzzard, Numurkah
943	Eureka Welcome ..	3 D.	H. Christensen, Tyers
109	Everlasting Dale ..	A. D.	A. E. Cox, Alma
1476	Everton ..	4 D.	C. H. McDonald and Sons, Kerang

* *Note.*—Age in years. A., aged; D., draught; L., light; P., pony; T., thoroughbred.

STALLION REGISTER 1936–37—*continued.*

Cert. No.	Name.	Age* and Class.	Owner and Address.
696	Example Craig ..	5 D.	J. Walsh, Sutherland
1243	Fabricator Supreme	5 D.	A. Young, Horsham
604	Factotum ..	A. D.	T. Allen, Glenthompson
1440	Fairboy ..	A. P.	A. M. Pearson, Omeo
779	Fairleigh Style ..	3 D.	C. T. Johnston, Tongio
1487	Fair News ..	3 L.	C. Robertson (sen.), Boort
754	Fairview Briton ..	5 D.	C. A. Troeth, Heywood
308	Fairview Duke ..	3 D.	H. T. O'Reilly, Nhill
1382	Fairview Good Hope	5 D.	W. Cozens (jnr.), Leongatha
1059	Fairview Great Hope	5 D.	H. Trimble, Pine Lodge
1489	Fairview Remarkable	3 D.	C. S. Rodda, Warracknabeal
571	Fairy Hill Baron Francis	5 D.	H. M. Parkin, Lower Norton
302	Famous Voyage ..	A. L.	P. A. Beaumont, Ouyen
26	Fancys Star ..	4 D.	J. Bell, Merino
2	Farewell ..	4 D.	J. Henderson, Baulkamaugh North
628	Farleton Bold ..	6 D.	W. G. Wilkinson, Yarrawonga
1112	Farleton Bold Record	A. D.	R. Crozier, South Morang
1111	Farleton Seawave	6 D.	H. E. Poulton, Hopetoun
741	Farmers Friend ..	3 D.	E. N. Nolte, Merino
1046	Fashiondale ..	4 D.	A. Ford, Princetown
776	Fashion's Pride ..	4 D.	A. Ralston, Bairnsdale
1745	Fatty Arbuckle ..	A. D.	E. S. Argent, Warracknabeal
200	Favourite Lad ..	A. D.	W. E. Hopgood, Berwick
559	Feather View Flower Dignity	3 D.	T. G. Bartlett, Gerang Gerung
449	Federal Knight ..	A. D.	A. T. Barnard, Mongan's Bridge
424	Fenwick's Pride ..	A. D.	J. J. Grinter, Boosey
950	Fernbank Comet..	4 D.	G. E. Gomm, Somerville
16	Fernbank Gold Standard	4 D.	E. Smith, Warragul
1372	Fernbank Paper Money	4 D.	J. Pockington, Rankin's Springs, New South Wales
1747	Fields O'Mine ..	6 L.	R. Stokes, Collingwood
77	Fighting Top ..	A. T.	T. Robertson, Kirkstall
172	Financier ..	4 D.	A. Stepnell, Scotsburn
150	Fine View Baron Royal	A. D.	G. N. Clarke, Kalpienung
266	Fine View Favour	A. D.	J. Wink, Melbourne
457	Fine View Premier	A. D.	H. Cook, Wilkur South
455	Fine View Print ..	A. D.	I. McDonald, Coleraine
1110	Fine View Squire	A. D.	P. H. Pollard, Tolmie P.O.
1515	Finley Direct ..	A. L.	H. S. Minchin, Picola
556	Fitzdale ..	4 D.	Sutton Bros., Berriwillock
1368	Flash Baron ..	3 D.	J. Mulheron, Swan Marsh
1353	Flash Boy ..	5 D.	F. H. Coombs and Son, Mangalore
382	Flash Bute ..	A. D.	State Research Farm, Werribee
772	Flashbute's Viceroy	5 D.	F. C. Newton, Nambrok
576	Flash Douglas ..	5 D.	C. H. Pearson, Bellochmyle
1581	Flash Dunure ..	A. D.	J. Bagnell, Mologa
1408	Flashlight Again ..	3 D.	M. L. Synan, Fish Creek
783	Flash Mark ..	5 D.	S. Clark, Bundalaguah
1258	Flash Oak ..	5 D.	A. W. Ridley, Manangatang
985	Flash of Fenwick	A. P.	P. Murtagh, Tahara Bridge
603	Flash of the North	A. D.	G. R. Hildebrand, Leitchville
933	Flash Pine ..	3 D.	H. Mitchell, Hopetoun
1197	Flash Prince ..	3 D.	R. A. Uebergang, Rosebery
1698	Flash Timekeeper	A. D.	Mrs. T. Clark, Bundalong South
1233	Flash Trelawney ..	4 D.	J. C. Maple, Karawinna
1547	Flash Trust ..	A. L.	W. J. Davies, Wail
454	Flash Voyage ..	A. L.	C. T. Evans, Rathscar
518	Fleudential ..	3 T.	J. E. Light, Quantong
453	Fleurason ..	6 T.	Messrs. Wright and Wilson, St. Arnaud
939	Fleurbridge ..	6 L.	J. W. Chace, Warracknabeal
456	Foreman ..	A. D.	W. J. Thompson, Cowangie
1290	Forest Dale ..	5 D.	H. J. Williamson, Rainbow
99	Foxlow Lord Trevor	6 D.	J. T. Tweddle, Berwick
301	Fred La ..	A. L.	P. J. Thompson, Krowera
452	Fulham Pronto ..	A. L.	D. Cooper, Devenish
1109	Full Power ..	A. T.	W. Stewart, Pier Millan
219	Gainswood ..	6 L.	A. E. Herrmann, Dimboola
354	Gallant Jock ..	A. D.	Mrs M. E. Gordon, Lismore
349	Gallant Kerrston..	A. D.	W. J. Beanham, Lilliput
297	Gallant Lad ..	A. D.	J. F. Koch, Coleraine
92	Gallant Macarthur	A. D.	T. Nankervis Diggora South
151	Game Boy ..	6 D.	H. Coleman, Murtoa
1748	Gamekeeper ..	4 T.	C. G. Newton, Nambrok
1169	Garland Major ..	3 D.	F. Allison, Barrapert West
3	Gartness ..	5 D.	A. J. Crosbie, Kinnabulla
1758	Gay Bold ..	A. D.	Amarant Bros., Wattle Creek
1402	Gay Choice ..	5 D.	J. Carew, Kilcunda
152	Gay Dan ..	6 D.	Mrs. I. A. O'Shannassy, Manangatang
22	Gay Fergus ..	5 D.	F. A. Lehmann, Lismore
1383	Gay Print ..	3 D.	L. G. Whelan, Outtrim
1596	Gay Robin ..	A. D.	H. Ingram, Bonang
1493	Gay Serenader ..	A. T.	W. Mallinson, Stoneyford
265	Gaywell ..	A. D.	J. A. Collins, Fenton's Creek
577	Gay Win ..	5 L.	W. G. Faux, Horsham
167	Gem of Manor ..	5 P.	W. E. Clinton, Heidelberg
1270	General Bingen ..	3 L.	A. J. Free, Lalbert
117	General Clyde ..	6 D.	W. W. Pole, Slaty Creek
296	General Harvey ..	A. D.	S. Burdett, Hopetoun
1347	General William ..	5 D.	A. Carpenter, Bemboka, New South Wales
989	George Athol ..	4 P.	Humphreys Bros., Cressy
602	Gibbie	A. P.	F. H. Hiscock, Hotspur
153	Gillingali ..	A. T.	W. D. Armitt, Bindi
1326	Glen Alto ..	3 P.	W. T. Mustey, Rochester
966	Glenavon ..	5 T.	M. J. Tobin, Jung
67	Glen Ayr ..	A. D.	G. Peters, Eskdale
295	Glen Baron Belmont	A. D.	T. Gilcrist, Ruthergien
264	Glen Bower Bounty	6 D.	W. Heard, Noradjuha
254	Glen Bower Chief	6 D.	T. Jolley, Craigieburn
1108	Glenburn Laddie..	A. D.	L. Martin, Gowanford
1421	Glen Cairn ..	A. D.	W. T. Mitchell, Lower Bethanga
313	Glencairn Rob Roy	A. D.	W. and L. Oliver, Diggora West
1150	Glen Craig ..	3 D.	W. Brown (jnr.), Mt. Scobie
1360	Glendalough Favour	5 D.	T. Fleming, Hiamdale
1262	Glendalough Favourite	3 D.	M. W. McLoughlan, Birchip
1474	Glendalough Futurist	3 D.	S. E. Jones, Campbellfield
1327	Glendervale Roy..	3 D.	J. A. Scurrah, Musgroves
1107	Glen Footprint ..	6 D.	A. E. Heard, Numurkah
127	Glengarry ..	A. L.	W. Byers, Tamleugh West
420	Glengowan Laddie	3 D.	J. M. Smith, New Zealand
154	Glengyle ..	A. P.	C. Jones, Moyhu
561	Gleniris Norman ..	5 D.	G. T. Wallis, Serviceton
451	Gleniris Willie ..	A. D.	H. Ellis, Quantong
78	Glen Isla ..	A. D.	F. Perry, Corack
1081	Glen Isle ..	3 D.	G. B. Hooper, Drumanure
1265	Glen Laddie ..	3 D.	R. J. Jasper, Pine Grove East
1254	Glen Mac ..	4 D.	A. D. Thompson, Wyuna
93	Glen Major McKie	A. D.	W. M. Graham, Picola North
1564	Glenmere Craig ..	A. D.	J. Rumbold, Laanecoorie
963	Glen Newton Bold Chief	3 D.	A. Wohlers, Jung
1082	Glenorme ..	3 D.	J. F. Fowler, Waala
450	Glenrowan Desmond	4 D.	G. L. Byrne, Kewell North
449	Glenrowan Scott ..	4 D.	O. Byrne, Kewell North
1344	Glen Royal ..	4 D.	J. J. Holdsworth, Streatham
228	Glen Royal Desire	4 D.	D. McDonald, Miram South
532	Glenvoirlyn Duke	3 D.	W. J. Westendorf and Sons, Dimboola
1444	Globepools Image	3 L.	A. Turner, Notting Hill
1565	Globe's Image ..	A. L.	J. Ohlin, Gooramadda
748	Gloucester ..	3 D.	W. Henderson, Grasmere
448	Gobbler ..	A. D.	M. J. Cahill, Mannibadar
1208	Gold Digger ..	5 D.	A. Dickins, Corowa
984	Golden Brew ..	5 L.	A. Cameron, Tahara Bridge
1559	Goldendale ..	3 P.	A. L. Beal, Birregurra
1220	Golden Derby ..	4 L.	C. E. Butcher, Colbinabbin
797	Golden Glimmer ..	3 P.	Miss I. M. Freeman, Lang Lang
759	Golden King ..	3 D.	F. McDonald, Queenscliff
1652	Golden Simmer ..	A. P.	M. O'Brien, Hamilton
990	Goldfinder ..	4 P.	G. Nelson, Cressy
1328	Goodwood Boy 2nd	A. L.	P. J. McCurry, Nanneella
601	Goose Step ..	A. T.	H. D. Smerdon, Ballarat
464	Gortland ..	A. T.	J. Sexton, Colac

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STALLION REGISTER 1936-37—*continued.*

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697	Gowan Leigh Dignity	3 D.	M. J. Sheridan, Donald
263	Gowan Premier ..	A. D.	C. Mitchell, Leongatha
969	Gracedale Craig ..	4 D.	A. McLean, Dhurringile
749	Gracfuss ..	A. T.	G. O'Mealy, Warrnambool
193	Graculus ..	A. T.	S. Loveridge, Corowa, N.S.W.
1666	Grand Derby ..	A. L.	H. Bullock, Hamilton
348	Grand Harold ..	6 L.	W. C. A. Free, Leitchville
1588	Grandmaster ..	A. L.	S. J. Lewis, Baringhup
1536	Grand Opera ..	A. L.	J. J. Guidice, Kangaroo Flat
1345	Grand Orator ..	3 D.	McDonald Bros., Mortlake
1181	Grand Robin ..	3 L.	Mrs. M. A. McDonald, Ultima
909	Great Alex ..	6 D.	J. Molloy, Towaninnie
199	Great Derby ..	A. L.	L. W. Crapper, Neilborough
1735	Great Knight ..	3 D.	S. Baxter, Picola
1449	Green Ginger ..	3 L.	J. Daly, St. Arnaud
415	Greenlea Favourite	5 D.	A. C. Severin, Brocklesby, N.S.W.
719	Greenlea Obligato	5 D.	J. V. Trethowan, Rockbank
1300	Green Mantle ..	3 L.	A. P. Wade, Glen Alvie
766	Grey Fox ..	4 P.	L. J. Weatherley, Mortlake
523	Grey Ronald ..	4 T.	J. G. Morrison, Teesdale
9	Gum Park Brilliant	A. D.	R. G. Tucker, Jung
97	Gum Park Scotty	4 D.	G. J. Bodey, Longerenong
732	Gum View Chief..	3 D.	B. Rogers, Mepunga East
310	Gum View Prince Buchlyvie	5 D.	J. Byron, Stawell
1470	Gus	3 L.	V. E. Welsh, Raglan
1352	Guy	A. P.	A. G. Hunter, Seymour
328	Gwalia	6 P.	E. McKoy, Wodonga
1305	Hall Mark ..	3 D.	J. D. Cumming, Towan
978	Happy Bird ..	4 T.	C. Bates, Dunkeld
1541	Happy Jack ..	A. L.	C. Nolte, Coleraine
1008	Hard Times ..	A. D.	D. G. Tomkins, Tongala
1729	Harold Globe ..	3 L.	H. Bourke, Maffra
829	Harry Lauder ..	A. L.	R. Butler, Newstead
1016	Harviestoun Hugh	5 D.	P. L. Williams, Miram
498	Hawkesdale Brilliance	4 D.	A. H. Jennings, Colinrooble, New South Wales
834	Hawkesdale Defiance	6 D.	C. C. Hawker, Lillimur
500	Hawkesdale Echo	5 D.	J. W. McDougall, Katandra
563	Hawkesdale Gallant	3 D.	H. Wharton, Manangatang
1170	Hawthorn Major..	4 D.	Haw Bros., Yando
1248	Hazelbank Baron Vue	4 D.	A. J. D. McRae and Sons, Gre Gre North
499	Hazelbank Royal Dale	3 D.	R. Dye, Corowa
347	Hazeldean Son ..	6 D.	J. H. Willis, Hopefield, N.S.W.
1433	Hazeldene ..	A. D.	D. Trewick, Elmore
564	Hazeldene Aitken	5 D.	G. A. Meyer, Kaniva
112	Hazeldene Benedictine	3 D.	C. Hewitt and Sons, Werrigar East
1177	Hazeldene Demonstrator	4 D.	Donnan Bros., Watchupga
309	Hazeldene Reid ..	5 D.	R. G. Ervin, Nhill
1027	Hazelwood Cavalcade	3 D.	Fawcett Bros., Towaninnie
1289	Heatherbray Cavalier	3 D.	C. J. Liesfield, Rainbow
294	Heather Jock ..	A. D.	J. S. Leyden, Skipton
584	Heather Mac ..	A. D.	J. A. Emmerson, Clear Lake
447	Heath Villa Avon	4 D.	H. Newell, Murra Warra
1484	Heir Apparent ..	A. T.	W. T. Cox, Moolort
833	Heirloom ..	6 D.	E. and C. Powell, Teddywaddy
791	Henham Lad ..	5 T.	C. Graham, Warragul
1548	Herdsman's Treasure	A. D.	J. Waite, Nathalia
929	Here's Luck ..	3 P.	L. H. Penny, Merrinee
1214	Heritage ..	A. L.	T. W. Ballintine, Cosgrove
1501	Hero	5 P.	W. J. Greaves, Lyndhurst
1630	Hero's Chief ..	3 D.	W. Dettmann, Kyneton
1691	Herward ..	A. D.	H. Wright, Barmah East
877	Highfield's Flash Prince	4 D.	A. Nagorcka, Moutajup
1646	High Honor ..	A. D.	D. Holian, St. James
1544	Highland Mac ..	6 D.	T. Parr, Strathallan
544	Hillmania Footprint	3 D.	F. W. Lennecke, Jeparit
832	Hill Park Masterpiece	A. D.	A. W. Watson, Nullawil
446	Hill Park Masterstroke	A. D.	R. J. Jones, Maryborough
1319	Hill Park Sunslade	5 D.	R. Meier, Moama
727	Hillside Radiant ..	5 D.	Morris Bros., Minyip
1051	Hill View Laddie..	4 D.	F. Miller, Cassidy's Bridge
155	Hill View Rising Star	A. D.	J. J. Gleeson, Southern Cross
1542	Hill View Rising Sun	A. D.	W. A. McClellan, Bungaree
1388	His Highness ..	5 D.	J. Kent, Willaura
536	Holly Dale ..	4 D.	R. H. Larcombe, Mt. Moriac
750	Holly Green Lordly	3 D.	Jas. Gleeson, Killarney
224	Holton	A. D.	T. Moroney, Barnedown
1224	Home Lodge Worthy Douglas	4 D.	Bell Bros., Londrigan
1725	Homestead Simon's General	5 D.	L. J. Midgley, Minyip
642	Homeward Bound	A. L.	J. McCamey, Tinamba
293	Honest Jock ..	6 D.	T. Fletcher, Winninburn North
512	Honest Mac ..	A. D.	E. A. Abbott, Fish Point
445	Horoscope ..	A. D.	F. Baker, Jung
1007	Hugo	6 T.	O. W. Fisher, Tawonga
1006	Huntly Lad ..	6 D.	A. Schack, Gama
1320	Hurdcott Baron Viceroy	4 D.	A. A. Stokes, Abbotsford
1151	Hyde Park Aviator	3 D.	J. Wilkinson, Kyabram
462	Ian Again ..	A. D.	K. C. Robertson, Cowangie
1393	Ibn Badaween ..	A. L.	Mrs. B. Folliott Sandford, Riddell's Creek
1324	Ideal Blaze ..	3 D.	J. H. Broughton, Bamawm
1413	Ideal Flashday ..	A. D.	A. and C. Dufty, Netherby
49	Ideal Imprint ..	6 D.	P. L. Williams, Miram
387	Ideal Roy ..	A. D.	B. R. Paynter, Echuca
79	Ideal Slade ..	A. D.	S. R. Dalton, Tempy
1685	Ideal Viceroyal ..	A. D.	C. and P. McNaughton, Cavendish
643	Idle Banter ..	A. T.	A. E. Bowman, Bethanga
528	Illoma Dignity ..	4 D.	J. Dixon and Sons, Ullswater
565	Illoma Majestic ..	5 D.	Mrs. A. Sanders, Miram
384	Indian Light ..	A. L.	Mrs. D. Maclean, Yan Yean
1405	Inverness Flash Laddie	3 D.	J. P. Fraser, Beaufort
386	Irish Boy ..	A. D.	J. Cody, Ballarat East
507	Jack	A. D.	W. Quinn, Echuca
1005	Jack Briton ..	6 D.	W. J. Brain, Beulah
644	Jack Craig ..	A. D.	V. Condon, Melton
1427	Jacko	A. D.	F. H. Bethke, Netherby
444	Jack O'Diamonds	A. L.	V. Downes, Winchelsea
645	Jester of Shetland Heights	A. P.	Mrs M. Small, San Remo
502	Jim Baillie ..	4 D.	A. Wink, New Zealand
1540	Jock Cedric ..	A. D.	M. McLeod, Condah
443	Jock Douglas ..	A. D.	J. H. Simon, Manya
636	Jock McGregor ..	A. D.	Executors of the Estate of the late E. Reseigh, Reseigh
1061	John Baron ..	4 D.	Mrs. M. Lawrey, Walpeup
860	John Brigham Last	A. P.	Executors of the Estate of late G. N. Buckley, Wickliffe
388	John Dixie ..	A. L.	J. Glenn, Tylden
1589	John Douglas ..	A. D.	A. Gordon, Broughton
223	John Gartland ..	A. D.	G. T. Deckert, Kinimakatka
1137	John Holton ..	5 D.	E. J. Leeder, Cope Cope
389	John Shepherd ..	A. D.	H. Warrick, Gerang Gerung
1575	Johnson ..	3 P.	C. A. Taylor, Rutherglen
1688	Jokers Pride ..	A. P.	C. Bassett Smith, Kyabram
1606	Jollie Clonglockelty	6 D.	R. Williams, Dunbulbalane
972	Julius Caesar ..	4 P.	Adams Bros., Staghorn Flat
1430	Jupiter	6 D.	E. C. Webster, Chinkapook
1516	Justice	A. D.	N. Free, Lalbert
1431	Kain Bob ..	A. P.	B. O. Sullivan, Wattle Park
733	Kallista Baron's Chief	3 D.	B. Rogers, Mepunga East
59	Kardella Flashlad	4 D.	E. C. Watters, Tallygaroopna
1004	Kardella Imprint	A. D.	J. Davison, Donald
10	Kardella Scottish Victor	3 D.	T. Maddern and Sons, Blackheath
1706	Kawarau Strathslade	3 D.	T. M. Clark, Bundalong South
385	Kelly	A. P.	G. V. Petering, Murtoa
1002	Kelm's Prince ..	A. D.	Nicoll Bros., Hoddle Range
508	Kelso Duke ..	4 D.	Melbourne and Metropolitan Board of Works, Melbourne
381	Kelso Ideal ..	A. D.	E. R. Prater, Berriwillock
1003	Kelso Marquis ..	A. D.	A. H. Rathjen, Woodglen

* *Note.*—Age in years. A., aged; D., draught; L., light; P., pony; T., thoroughbred

STALLION REGISTER 1936–37—*continued.*

Cert. No.	Name.	Age* and Class.	Owner and Address.
1065	Kelso Monarch ..	5 D.	J. H. Fuge, Rutherglen
558	Kelso Pride ..	3 D.	A. C. Newell, Culgoa
557	Kelso Prince ..	3 D.	W. C. Mills, Berriwillock
646	Kelso Prince ..	6 D.	J. R. A. Glen, Sale
1535	Kelso Sensation ..	A. D.	J. T. Watkins, Euroa
1467	Kelvin	A. D.	J. Opie, Werribee
353	Kens Pride ..	A. P.	F. McMeekin, Kyneton
728	Kent Royoan ..	4 D.	A. E. Petering, Minyip
291	Kenura	4 D.	A. Dahlenburg, Winiam East
509	Kenwyn Standard	4 D.	McQueen Bros., Waubra
647	Kerrick	A. D.	W. J. Westerndorf and Sons, Dimboola
1073	Kerston Junior ..	4 D.	G. Luckie, Springhurst
1497	Killawney ..	A. D.	J. Hannah, Donald
648	Kilmore ..	6 D.	C. and L. McDonald, Timmering
110	King Billy ..	A. D.	J. I. Collins, Banyan
947	King Cedric ..	6 D.	J. M. Wood, Markwood
1271	King Dale ..	4 D.	T. Makeham, Cannie
442	King Dale ..	A. D.	A. V. Bond, Yinnar
346	King Dooley ..	6 L.	J. R. Bruce, Marlo
94	King Douglas ..	A. D.	G. Melke, Dimboola
1734	King Edge ..	3 T.	J. T. Lee, Murmungee
1673	King Favour ..	6 D.	E. W. Linke, Beaufort
383	King Heedless ..	A. T.	J. Manifold, Weerite
1577	King Jimmy ..	3 P.	D. E. Kervin, Cohuna
1349	King Munster ..	5 L.	W. Davidson, Nangeela
1031	King Patrus ..	3 L.	T. W. Bridgett, Charlton
1631	King Rizzo ..	3 L.	J. R. Morton, Penshurst
1001	King's Own ..	A. D.	R. E. Nichols, Merbein
1604	King's Prize ..	A. D.	J. R. McErvale, Trawalla
80	Kinlock Hero ..	A. D.	H. M. Parkin, Lower Norton
1075	Kins Fancy ..	6 D.	J. W. Gray, Morkalla
1520	Kippet Law ..	6 D.	A. D. Keir, Melbourne
20	Kirkcaldy Flash Everest	3 D.	P. B. Malone, Leichardt
21	Kirkcaldy Mafeking	4 D.	E. Murphy and Sons, Yarraville
961	Kirndeen Monarch	A. D.	Mrs. N. Wood, Tallangatta
1317	Kolora Premier ..	4 D.	C. A. Ingwersen, Patchewollock
799	Komura's Son ..	5 P.	W. C. Morrison, Pakenham East
777	Koonburra ..	4 T.	D. Waddell, Bairnsdale
993	Kooringal Boy ..	5 D.	W. Hodges, Macarthur
762	Kooringal Viceroy	5 D.	H. Kruger, Croxton East
1394	Korongah Bar None	A. D.	J. C. Whitehead, Minhamite
35	Korongah Bold Ian	A. D.	T. Wills, Streatham
217	Korongah Craigwillie	A. D.	A. W. Hendy, Cowangie
126	Korongah Glen Arthur	6 D.	A. W. Bodey, Jung
1215	Kowai Sensation..	A. D.	W. G. Ballantine, Cosgrove
1717	Kyonga King ..	6 L.	M. J. Ryan, Avoca
1492	Lackamore ..	A. L.	W. R. Cahill, Ky Valley
1375	Laird of Lanarch..	4 D.	W. Robertson, Armstrong
583	Lake Erie Chief ..	4 D.	G. S. R. Sprunt, Ardmona
541	Lake Marsh Honor	4 D.	A. R. Keller, Jeparit
1309	Lalla Rhook Chief	4 D.	Mrs. D. V. McGregor, Manangatang
676	Lamorna Romaduke	4 D.	H. Hargreaves, Kurraca West
1213	Lanar's Thrill ..	3 L.	A. C. Nuske, Pinnaroo, South Australia
1693	Langdale ..	A. D.	G. A. Pope, Donald
649	Lansdale Again ..	A. D.	A. Carstensen, Woodside
409	Lansdale Everest	A. D.	A. M. Gardiner, Kerrisdale
720	Largo	A. D.	J. A. Tweddle, Waala
778	Larwood ..	4 L.	W. E. Clinton, Heidelberg
1356	Last Pos ..	5 P.	A. Gillies, Noorat
138	Late Fashion ..	A. D.	C. Summerhayes, Boigbeat
998	Laurel Wedgewood	4 D.	E. R. Angliss, Melbourne
616	Lavereen Monarch	6 D.	J. Fehring, Horfield
1566	Lavereen Prince Buchlyvie	A. D.	A. L. Hamilton, Corryong
615	Lea Dale ..	6 D.	S. Simpson, Yaapeet
146	Leapfrog ..	A. L.	A. M. Reading, Wallaloo
784	Leebrooke ..	5 L.	J. Lee, Bushy Park
1695	Lee Derby ..	5 L.	W. J. McKay, Elsternwick
668	Leeds Grove Favour	3 D.	J. A. Collins, Fenton's Creek
1445	Lee Globe ..	4 L.	W. J. McKay, Elsternwick
949	Leezar	5 L.	L. M. Cushen, Kilmore
469	Le Grand Flash Douglas	3 D.	H. Cook, Wilkur South
1543	Le Grand Footprint	3 D.	L. Rogers, Karawinna
54	Le Grand Footsure	6 D.	A. K. Rowen, Terip Terip
468	Lemon Grass Lieutenant	A. D.	J. Hallstone, Willunga, South Australia
560	Leurgan Elderchief	A. D.	P. E. Spicer, Dimboola
1429	Leurgan Lone Star	4 D.	J. McGee, Beulah
1272	Lexel Lea Brazen Laddie	6 D.	J. H. Roberts, Lalbert
614	Lexel Lea Norval	6 D.	R. Wright, Borung
1247	Lexel Lea Sun Stroke	3 D.	W. A. Wright, St. Arnaud East
613	Lincoln Voyage ..	A. L.	J. Glenn, Tylden
674	Lin Derby ..	4 L.	S. G. John, Charlton
612	Lipton	A. T.	W. T. Waters, Lake Bolac
1479	Liston Duke ..	A. D.	C. S. Rodda, Warracknabeal
467	Little Brigham ..	A. P.	W. I. Greenaway, Beazley's Bridge
650	Little Comet ..	A. P.	F. Hoysted, Wangaratta
466	Little Eumarrah ..	A. P.	R. Painter, Leaghur
1000	Little Leo ..	A. P.	Mrs. A. Bray, Croydon
755	Little Maz ..	A. P.	W. Cullinan, Lakes Entrance
1392	Little Ned ..	A. P.	T. Humbert, Prairie
157	Little Tich ..	A. P.	M. Brown, Streatham
268	Llenwellyn Donald	4 D.	A. A. Mills, Katamatite
611	Lochaber ..	A. L.	Messrs. Roberts and Youren, Clunes
51	Lochend ..	A. P.	R. H. Chester, Melwood
1732	Loch Garry Craig	A. D.	W. L. Hall, Hagley, Tasmania
874	Lochinver General	3 D.	H. Morrison, Dumosa
1091	Loch Lomond Scottie	3 D.	T. R. S. Gilmour, Cope Cope
873	Lock Garry Crystal	4 D.	R. Nevin, Burramine
250	Lock Garry Marshall	4 D.	J. Currie, Balmattum
1329	Loddonlea Panacea	5 D.	T. Lees, Rochester
489	Loddonlea Royal Hero	3 D.	Fairymead Sugar Co., Bundaberg, Queensland
651	Loddon Lea Sundial	A. D.	F. Baker and Son, Jung
1237	Loddonlea Sunflower	4 D.	A. F. Boord, Yarrara
1502	Loddon Lea Triumph	3 D.	L. Sewell, Glenlyon
652	Loddon Lea Victory	A. D.	McKenzie Bros., Longlea
81	Loddon View General Nat	6 D.	J. B. Ferguson, Waubra
1183	Lomond Bold ..	5 D.	J. Gerrard, Barham
58	Lomond Douglas Bold	5 D.	E. Murphy and Sons, Yarraville
31	Lone Park Douglas	3 D.	W. Tucker, Jung
653	Lone Park Hero ..	6 D.	H. Oliver, Duchembegarra
996	Longerenong Boxer	4 D.	J. Nash, Corio
1313	Longerenong Major	4 D.	T. Bagnell, Yarrawalla
578	Longerenong Yellow Boy	3 D.	L. J. King, Quambatook
677	Long View Bonniefactor	4 D.	J. S. Lang, Wedderburn
654	Lord Aldie ..	A. D.	R. T. Reddenbach, Tambo Upper
659	Lord Aldie ..	A. D.	G. K. Black, Chinkapook
361	Lord Allenby ..	A. D.	G. Oxley, jun., Gre Gre North
1524	Lord Belmont ..	A. D.	Mrs. A. Merrifield, Glenrowan
1093	Lord Buchlyvie ..	4 D.	A. F. Kerr, Yeoburn East
935	Lord Cedric ..	A. D.	A. Ford, Princetown
840	Lord Cedric ..	6 D.	J. A. Lord, Boigbeat
1364	Lord Clyde ..	4 D.	Osborn Bros., Tinamba
253	Lord Dundonald..	A. D.	Mrs. A. V. Shard, Ouyen
1379	Lord Llanos ..	4 L.	H. Macpherson, Hedley
4	Lord of the Isles..	6 D.	C. H. Feldtmann, Major Plains
1143	Lord Patterdale ..	3 D.	K. J. McMahon, Ouyen
1266	Lord Pettie ..	5 D.	M. Daffy, Mitiamo
1532	Lord Pronto ..	5 L.	V. Howe, Huntly
1098	Lord Roma Dale..	A. D.	Mrs. G. L. Marwood, Tandarra
1423	Lord's Pride ..	4 D.	Tyquin Bros., Digger's Rest
1567	Loricar	A. L.	H. B. Fitzpatrick, Orford
1058	Loughrea Alex ..	4 D.	T. Trimble, Pine Lodge
1251	Louis Direct ..	A. L.	E. B. Cochran, Ballarat
839	Lowland Lad ..	6 D.	E. V. Adkins, Korumburra

* *Note.*—Age in years. A., aged; D., draught; L., light; P., pony; T., thoroughbred.

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at the State Research Farm, Werribee.

BULL CALVES

Six For Sale at Reduced Prices

No. 1. VICTORIA DONALD. (AA, C.R.). Born 16th March, 1935 — *Price* 40 guineas
Sire : Woodburn Peter Pan (Imp. in utero) (1504 AA). *Dam :* Victoria Rose Major (5AA). f.o.r. Werribee.
Victoria Rose Major produced 455 lb. butter-fat in 273 days, and 531 lb. in 365 days. (An AA Bull).

No. 2. VICTORIA VALHALLA (A, C.R.). Born 14th December, 1935 .. *Price* 20 guineas
Sire : Chandpara Valentine (762 AA). *Dam :* Victoria Asphodel (3008 A). f.o.r. Werribee
Victoria Asphodel produced 322 lb. butter-fat as Jr. 4 (273 days).

No. 3. VICTORIA GRATITUDE. (A, C.R.). Born 24th April, 1936 .. *Price* 18 guineas
Sire : Chandpara Valentine (762 AA). *Dam :* Victoria Gratification (3022 A). f.o.r. Werribee
Victoria Gratification produced 330 lb. butter-fat in 273 days as Jr. 2.

No. 4. VICTORIA ST. PETER. (A, C.R.). Born 29th July, 1936 .. *Price* 13 guineas
Sire : Woodburn Peter Pan (Imp. in utero) (1504 AA). *Dam :* Victoria Kosher (3914 A) f.o.r. Werribee
Victoria Kosher produced 286 lb. butter-fat in 273 days as Sr. 3.

No. 5. VICTORIA ROYAL PETER. (AA, C.R.). Born 4th August, 1936 *Price* 20 guineas
Sire : Woodburn Peter Pan (Imp. in utero) (1504 AA). *Dam :* Victoria Royal Regal (3517 AA). f.o.r. Werribee
Victoria Royal Regal has produced 271 lb. butter-fat in 273 days as Jr. 3. (An AA Calf).

No. 6. VICTORIA OHM (A, C.R.). Born 25th October, 1936 *Price* 15 guineas
Sire : Victorian Gallant (1481 AA). *Dam :* Victoria Volt (4049 B). f.o.r. Werribee
Victoria Volt produced 398 lb. butter-fat in 273 days as Jr. 4.

Prices are based on the average butter-fat production of the dam in 273 days, except in the case of progeny of heifers without completed test, the price then being 10 guineas.

An amount of 2 guineas per quarter maintenance has been added to calves 3 months old and over.

Inspection cordially invited. For further particulars apply to—

THE DIRECTOR OF AGRICULTURE, MELBOURNE, C.2 ; OR THE MANAGER, STATE RESEARCH FARM, WERRIBEE

STALLION REGISTER 1936–37—*continued.*

Cert. No.	Name.	Age* and Class.	Owner and Address.
1432	Lowland's Marshall	A. D.	T. R. Jenkyn, Baddaginnie
1406	Loyalty ..	5 P.	B. A. Kavanagh, Waubra
1715	Lue Ribbons ..	A. L.	M. West, Rupanyup
896	Lyleston Rodney..	A. D.	Mrs. J. B. Little, Sale
838	Lymm Loden ..	A. D.	A. F. Emery, Benalla
1561	Lyndale ..	3 D.	J. E. Morley, Beulah
837	Lyndale ..	A. D.	A. B. Burns, Turriff
345	Lyndale II. ..	6 D.	O'Callaghan Bros., Boorongie
15	Lyndale Knight ..	3 D.	R. G. Lowe, Mundoona
1568	Lyndhurst ..	A. D.	A. E. Perry, Hopetoun
1665	Lyndhurst Craigie	A. D.	W. H. Twigg, Janiember
836	Lyndhurst Master	6 D.	Sieber Bros., Mulcra
100	Lyndhurst Master Baron	3 D.	K. D. Lane, Merino
835	Lyndhurst Master Craig	A. D.	J. F. Delahunty, Murtoa
335	Lyndhurst Radiant	A. D.	Mrs. T. Burdett, Smythe's Road
1483	Lynson	A. P.	W. F. Cox, Moolort
168	McKenna of Shetland Heights	A. P.	W. E. Clinton, Heidelberg
459	McLeish ..	A. D.	R. Wight, Woodside
362	Mac	A. D.	E. O. Manuel, Kerang
1582	Mac Direct ..	A. L.	Charity Bros., Serpentine
1203	Macduff ..	5 D.	R. and J. Galloway, Majorca
1330	Mac Graig ..	5 D.	A. E. Shaw, Bonn
658	Macs Worthy ..	A. D.	E. Wilson, Llanelly
1437	Magic Railway ..	A. P.	W. A. Beard, Benalla
1050	Main Derby ..	4 L.	C. L. Balding, Boort
198	Major Again ..	A. D.	H. Brown, Minyip
1534	Major Clyde ..	A. D.	H. G. Burge, Landsborough
685	Major Douglas ..	4 D.	H. Gordon, Willaura
657	Major Dundonald	A. D.	A. McInnes, South Bundalong
1118	Major Lee ..	A. D.	E. V. Menzel, Bellbrae
1649	Major Mac ..	A. D.	H. Henderson, Barraport
962	Major Mac ..	6 D.	J. Park, Wymah
1117	Major Willie ..	A. D.	J. H. Reichelt, Ni Ni Well
1722	Mallee Chavalier ..	A. D.	C. Cobain, jun., Sale
1116	Mallee Picture ..	6 L.	F. C. Rowney, Tempy
1114	Mallee Voyage ..	3 L.	A. E. McMahon, Ouyen
137	Malphacar ..	6 L.	J. M. Silcock, Morwell
976	Manfield ..	4 T.	A. Kennedy, Tatura
281	Marbell of Shetland Heights	6 P.	Mrs. A. D. Maclean, Yan Yean
53	Marcellus II. ..	A. D.	R. Henderson, Curdie Vale
75	March	A. L.	J. Kininmouth, Mt. Hesse
1397	March Along ..	A. D.	H. Carr, Manangatang
82	Marcus Junior ..	A. L.	Blair Bros., Lara
1197	Mark Hazel ..	A. P.	R. A. Sadler, Taminick
941	Mark Radiant ..	3 D.	T. Waters, Wallup
1411	Mark Twain ..	A. D.	H. McCague, Manangatang
1296	Marmindie Holton	3 D.	E. W. Roll, Hopevale
1115	Marquis Dundonald	A. D.	J. M. Taylor, Lake Boga
1626	Marquis of Meadowbrook	A. D.	Stagg Bros., Combienbar
1650	Marshall Clyde ..	A. D.	A. Wright, Manangatang
1518	Marvel of Earlshall	A. P.	Mrs. C. G. Maclellan, South Yarra
197	Maryvale Lildal ..	A. D.	J. M. White, Yaapeet
1114	Master Bob ..	6 P.	A. T. Currell, Timboon
916	Master Brook ..	A. L.	A. Beattie, Tungamah
1681	Master Comedy ..	A. P.	A. D. Thompson, Wyuna
252	Masterdale ..	A. D.	F. F. Kerr, Yeoburn East
1205	Master Jack ..	3 D.	R. F. Lawler, Ouyen
1194	Master Jim ..	4 P.	T. Maddison, Tawonga Roadside
1369	Master Relief ..	4 D.	R. O. Wilson, Cororooke
953	Masters Duplicate	4 D.	R. J. Thomson and Son, Brim
769	Master Stamp ..	4 D.	C. T. Lucas, Pomborneit North
1403	Masterstroke ..	5 D.	Cleary Bros., Blampied
363	Masterstroke ..	A. D.	H. Parish, Winchelsea
1686	Mastertone ..	A. D.	W. H. Mitchell, Sandford
792	Master War Lord	3 D.	J. H. Roberts, Nilma
656	Maydale Christie..	A. D.	D King and Sons, Rutherglen
974	Maydale Knight ..	5 D.	C. R. Schultz, Woorak
862	Mayfield Superb ..	3 D.	A. J. McCarron, Nathalia
60	Maylea Alick ..	5 D.	W. J. Cobbledick, Bunbartha
43	Maylea Baronet ..	3 D.	W. J. Cobbledick, Bunbartha
1113	Mazarron ..	A. T.	Betts Bros., Benambra
1472	Meadows Surprise	5 D.	Mrs Jean Black, Tarwin
979	Medial	3 T.	Mrs. J. B. Ritchie, Hamilton
48	Melinite ..	6 T.	J. Hamilton, Inverloch
1198	Melrock Double Flash	4 D.	Todd Bros., Beulah
307	Melrock Flash Dalmore	3 D.	F. J. Lambert, Beulah
655	Melrock Flash Viceroy	A. D.	Todd Bros., Beulah
1199	Melrock Flash Victor	5 D.	Todd Bros., Beulah
352	Melrock Roy Dale	A. D.	C. H. James, Quambatook
1200	Melrock Satisfaction	3 D.	Todd Bros., Beulah
737	Melrock Specialty	3 D.	Todd Bros., Beulah
738	Mels Pride ..	3 D.	A. Roberts, Beulah
912	Meltons Trust ..	A. T.	E. C. Blair, Watchem
698	Meredindale ..	4 D.	Mrs. K .Brady, Gooram
663	Merry Prince ..	A. D.	B. Rogers, Mepunga East
846	Merry Prince ..	A. D.	R. M. Rollason, Porepunkah
957	Mertons Bold Boy	5 D.	A. E. Horkings, Beechworth
773	Mer Vue Pride ..	4 D.	W. G. Dennis, Heyfield
1012	Micky Mouse of Fenwick	6 P.	J. G. Berlund and Son, Portland
845	Mid-day	A. P.	J. Bannam, Wallacedale
844	Middlerigg King ..	A. D.	P. G. Weaver, Boort
196	Midnight Voyage..	A. L.	A. D. Thompson, Wyuna
843	Mikado	A. L.	A. G. Turnbull, Coleraine
1025	Milford Hero ..	4 D.	Cook Bros., Thalia
1358	Milton Cavalier ..	4 D.	M. J. Killeen, Myrtlebank
842	Milton Huon ..	A. L.	C. E. Burkinshaw, Wareek
1505	Milton Mauritius	5 L.	Messrs. Whiting and Vincent, Ballarat North
841	Miniature III. ..	A. P.	T. C. Maidment, Moyston
1583	Minton Bells ..	A. L.	Mrs. A. A. Laidlaw, Ararat
1361	Mnenon King ..	5 T.	G. L. Gibbs, Orbost
251	Model Bute ..	A. D.	Hansen Bros., Barnawartha
1182	Mokanger ..	5 L.	A. C. Miller, Barham, N.S.W.
344	Monte	A. D.	H. Nixon, Berriwillock
1308	Mont Harold ..	A. L.	Mrs. M. Canning, Mildura
460	Montrose ..	A. D.	V. Flintoft, Dumosa
1083	Mount View Laddie	3 D.	F. W. Patten, Baulkamaugh North
1651	Monty's Treasure	6 D.	Wisely Bros., Tallygaroopna
734	Moondarra Pride..	5 D.	Mrs. W. Taylor, Thornton
68	Mooney Way ..	A. L.	A. E. Godden, Elmore
431	Moorabool Pride ..	A. P.	J. S. Thompson, Bannockburn
271	Mooreland's Pride	4 D.	Ractliffe Bros., Bullengarook
1366	Mordeen ..	5 L.	W. S. Drury, Penola, South Australia
36	Moredun Baron ..	A. D.	Mrs. F. Tilley, Port Fairy
751	Moredun Hero ..	4 D.	J. D. Roache, Woolsthorpe
322	Moredun Ranger..	A. D.	J. C. Storer, Branxholme
938	Morella Leader ..	5 D.	H. L. Avery, Warracknabeal
53	Morning Prince ..	6 D.	J. Draper, Yan Yean
566	Morning's Pride ..	5 D.	O. W. Zerbst, Diapur
579	Morocco Dale ..	5 D.	R. H. Rees, Horsham
1434	Morocco Lad ..	A. D.	W. J. Hosking and Son, Oakvale
1554	Morris Pat ..	6 P.	Mrs. M. E. Kenny, Yarroweyah
351	Mossbank Mac ..	6 D.	D. Findlay, Noojee
37	Mountain Hero ..	A. D.	S. E. R. Cobain, The Heart, Sale
1334	Moving Star ..	4 L.	Gastin Bros., Avonmore
1124	Mulcra's Pride ..	6 D.	Beck Bros., Mulcra
1171	Mull Mull Chief ..	4 D.	A. L. T. Poxon, Terrapee
299	Muluka King ..	A. L.	J. E. Woods, Geelong West
1610	Mundell ..	6 D.	B. Storey, Teddywaddy
875	Mundoona Craigian	3 D.	A. McMaster, Dargalong
1072	Mungo Supreme ..	4 D.	G. Luckie, Springhurst
567	Munificent ..	5 D.	J. H. Meyer, Kaniva
524	Murmac ..	4 D.	Mrs. I. M. Cleary, Carwarp
960	Mynor	3 L.	J. Rapsey, Tallangatta
1295	Myora Baron ..	5 D.	Allen Bros., Kenmare
1123	Myora Baron Dale	A. D.	Rigney Bros., Chinkapook
1294	Myora Baron Signet	3 D.	H. Griffiths, Kenmare
248	Mywee Duke ..	3 D.	G. Burrows, Scotsdale, Tasmania
959	Nairn Flash Sergeant	3 D.	J. A. and W. H. McKenzie, Dimboola East
729	Naldera Bold Chief	5 D.	F. Funcke, Laen
721	Napoleon ..	A. D.	C. Savage, Cobden
471	Narada Hughie ..	3 D.	J. T. Watkins, Euroa

* *Note.*—Age in years. A., aged; D., draught; L., light; P., pony; T., thoroughbred.

STALLION REGISTER 1936–37—*continued.*

Cert. No.	Name.	Age* and Class.	Owner and Address.
554	Naseby Baron ..	5 D.	W. Macgrath, Yanac South
133	Naseby Belmont Stephen	A. D.	D. McCormack, Rosebery
1416	Naseby Briton ..	6 D.	A. C. and A. Dufty, Lorquon West
156	Naseby Flashmore	A. D.	J. H. Tonnissen, South Hamilton
1284	Naseby Monarch..	3 D.	J. A. Williams, Rupanyup
987	Naseby Sailor ..	3 D.	A. G. Gardner, Cavendish
954	Naseby Stephen ..	4 D.	R. J. McPherson, Brim P.O.
1749	Nattais Prince Mark	3 P.	Mrs. E. C. Robertson, Macarthur
1094	Nells Gift ..	4 D.	C. H. McDonald, Kerang
83	Netherha Drew ..	6 D.	W. J. Eades, Colac
491	Netherha Factor..	A. D.	F. K. Oberin, Goornong
173	Nether Ha Flashwood	3 D.	J. B. Ferguson, Waubra
1438	Netherhall ..	A. D.	J. Allan, Wycheproof
730	Netherland Knight	4 D.	J. Funcke, Minyip
1212	Netherwood Reflector	3 D.	L. M. Simon, Pinnaroo
220	Newfields Pride ..	A. D.	R. J. Baldwin, Gre Gre South
975	Newfields Taxpayer	5 D.	J. McMillen, Merrigum
756	Newlyn Bold Silk	5 D.	T. A. Myers, Dean
490	Newton Lad ..	A. D.	F. W. Murphy, Murphy's Lake
1395	Newton's Moddle	A. D.	C. W. McClay, Lake Boga
488	Newton's Pride ..	A. D.	C. F. Crabbe, Larpent
1703	Newton Star ..	6 D.	A. T. Ingram, Orbost
898	Newton Star ..	3 D.	N. Gibson, Crossley
351	Newton Style ..	A. D.	C. Graham, Warragul
487	Nilpena ..	A. T.	F. C. Coy, Lismore
136	Nimitybelle Mac ..	A. D.	H. Chessals, Youanmite
486	Ni Ni John ..	3 D.	C. G. B. Schultz, Ni Ni Well
1574	Nivek	A. P.	J. P. Arthur, Caulfield
95	Noble Star ..	A. D.	S. Dunstan, Huon
1428	Nokila	A. T.	J. G. Adams, Mansfield
1052	Noralunga Flash Step	3 D.	A. R. Trask, Galaquil East
495	Noralunga Gold Bar	3 D.	A. B. and E. B. Anderson, Yea
1175	Noralunga Slademond	5 D.	A. T. Drinkwater, Annuello
360	Norseman Laddie	6 D.	A. H. Hooper, Goorambat
249	Norwood Sunrise..	4 D.	U. P. Broome, Tocumwal, New South Wales
740	Not Infallible ..	4 L.	E. S. Jenkins, Werribee Sou h
1381	Noved	4 L.	R. L. Edwards, Lancefield
1087	Nulkwynne Duplicate	3 D.	J. L. Belleville, Watchem
722	Nullabean ..	4 P.	Mrs. V. F. Clarke, St. Arnaud
485	Nutshell ..	A. P.	Mrs. H. D. Young, Hamilton
1671	Oakcrest Flash Roy	3 D.	W. J. Hosking, Oakvale
533	Oakdale Ballochmile	3 D.	Stephan Bros., Dimboola
1318	Oakdale Buchlyvie Lad	4 D.	J. O. Hulland, Patchewollock
1159	Oakdale Honest Lad	3 D.	E. Murphy and Sons, Yarraville
131	Oaklyn Mac ..	A. D.	R. G. Coombs, Finley, N.S.W.
163	Oaklyn Stryvers Mac	6 D.	B. Mills, Yarra Glen
1034	Oaktella Baron's Pride	4 D.	J. Hall, Wychitella
484	Obligation's Footprint	6 D.	A. F. Dahlenburg, Salisbury
343	Ochertyre Widgiewa	A. D.	D. Ervin, Central Mologa
1011	O'Connor's Pride..	5 D.	W. Hart, Nandaly
1122	Onward ..	A. D.	W. Bean, Sale
1039	Onward ..	3 D.	E. W. Tischler, Dimboola
378	Oora Park Onward	A. D.	D. Chisholm, Swan Hill
1277	Ormond Lad ..	5 D.	C. H. Bowland, Gunbower
1424	Othon	A. P.	P. Peters, Tungamah
1285	Overdale ..	4 D.	C. Carra (sen.), Rupanyup
1121	Oversure ..	6 D.	W. and H. Holland, Sheep Hills
1655	Oxford	A. D.	S. T. and W. C. Capron, Lethbridge
983	Pal	4 P.	I. McDonald, Coleraine
945	Parkdell ..	6 D.	Mrs. F. Foster, Keysborough
1180	Parkfield Hero ..	3 D.	A. Hocking, Tandarra
967	Parkfield Pride ..	5 D.	J. McG. Johns, Dooen
1172	Parkfield Prince ..	3 D.	E. F. Caine, Loga
1120	Parkfield Stamp ..	6 D.	A. J. Trask, Irrewarra
1648	Parkview Bon Tide	6 D.	D. Richens, Oxley Flats
1211	Parliwidgee Refiner	3 D.	E. Venning, Pinnaroo
400	Parliwidgee Request	3 D.	A. A. Stokes, Abbotsford
1259	Parmentier ..	4 D.	N. J. Rutherford, Manangatang
290	Parsee	A. T.	A. Brown, Rupanyup
1584	Pataudi ..	6 L.	A. K. Buckley, Buffalo
1119	Patrician Craig ..	A. D.	W. J. Vallance, Tempy
665	Pedro Chief ..	A. L.	A. D. McLennan, Derrinal
1533	Perquator ..	5 T.	G. Smith, Newstead
1280	Perryport ..	4 L.	H. Borneman, Leitchville
483	Peterdale ..	A. D.	J. H. Walder, Watchem
1185	Peter Mac ..	5 L.	F. P. Grogan, Newbridge
1723	Pettadale ..	A. D.	N. Hart and H. Morse, Bridgewater on Loddon
492	Pineglen Dignity..	3 D.	R. D. Buckley, Glenlee
666	Pine Grove Radiance	6 D.	J. G. Fisher, Pinnaroo
1469	Pineholm Admiral	6 D.	Mrs. M. Cullis, Stawell
1696	Pineholm Baron ..	A. D.	Mrs. T. M. Clarke, Bundalong South
282	Pineholm Prestige	3 D.	J. L. Judd, Yanac
342	Pine Lea Belmont Print	A. D.	J. Russell, Hesse
1281	Pine Lea Bold Hero	3 D.	E. W. Reading, Callawadda
1179	Pine Lea Pride ..	5 D.	J. McMillan, Swan Hill
1153	Pinelea Pride ..	4 D.	S. Vale, Picola West
669	Pine Park Fabric	4 D.	J. A. Collins, Fenton's Creek
946	Pine Park Regulus	4 D.	G. H. Grindal, Mooroodue
1422	Pine Park Style ..	3 D.	Hopkins Bros., Glenluce
1373	Pine Vale Laddie	5 D.	F. J. Densley, Dalyston
1226	Pine Vale Robin..	4 D.	A. Cunning, Mystic Park
1239	Pine Vale Superior	3 D.	P. J. Jamison, Balwyn
534	Pine Vale Surprise	3 D.	W. Davis and Sons, Ringwood
757	Pine View Dignity	3 D.	H. Burke and Sons, Leigh Creek
1210	Pistol Voyage ..	4 L.	Mrs. G. I. Kenny, Pinnaroo
1576	Play Boy ..	3 L.	A. J. Millar, Hopevale
1053	Playfair ..	A. D.	W. F. Salt, Teddywaddy
1246	Pleasant Dale ..	5 D.	Telford Bros., St. Arnaud
1697	Pocket Edition ..	A. P.	Mrs. T. M. Clark, Bundalong South
664	Pollu	A. P.	E. W. Dahlenburg, Nhill
84	Post Boy ..	A. D.	A. E. Pegler, Wentworth, New South Wales
1206	Powder Puff ..	4 P.	W. Morey, Yabba North
38	Predomino ..	A. D.	C. Kelly and Co., Caramut
482	Premier Prince ..	A. D.	H. A. Sudholz, Murtoa
1575	Present	A. P.	J. F. Mitchell, Ebden
1461	Pride Darnley ..	A. D.	H. A. Boschert, Tempy
1088	Pride of Argyle ..	5 D.	M. Moloney, Litchfield
221	Pride of Belle Vue	6 D.	J. H. Grylls, Laanecoorie
1282	Pride of Belmont	3 D.	Tucker and Jenkins, Marnoo
1288	Pride of Briton ..	6 D.	A. Mackenzie, Pigick
662	Pride of Didyme..	A. P.	G. Brough, Cheltenham
971	Pride of Glencorrie	3 D.	E. H. Mitchell, Huon
287	Pride of Honor ..	5 D.	O. J. Pohlner, Woorak
1267	Pride of Scots ..	5 D.	W. Filby, Huntly
209	Pride of the Lake	A. T.	R. F. Blake, Green Lake
1633	Prince	3 D.	C. C. Tucker, Raglan
189	Prince	4 D.	H. F. Grinter, Katunga
687	Prince Aron ..	4 D.	Amarant Bros., Wattle Creek
580	Prince Audley ..	3 P.	J. Lear, Mitre
1070	Prince Baron ..	3 D.	Scherger Bros., Werrimull
1089	Prince Brunstane	3 D.	S. N. McCallum, Watchem
481	Prince Buchlyvie..	A. D.	Laffan Bros., Donnybrook
39	Prince Craig ..	6 D.	C. A. Eagle (jnr.), Barham, New South Wales
970	Prince Craigie ..	5 D.	J. H. Sellwood, Undera
222	Prince Dale ..	A. D.	J. Downey and Son, Wallace
661	Prince Dignity ..	A. D.	J. V. Haggblom, Sea Lake
1269	Prince Dunure ..	4 D.	S. C. Mott, Lascelles
1573	Prince Ecuador ..	A. T.	F. W. Hender, Broomfield
317	Prince Gay ..	A. D.	P. D. Richards, Cramenton
1639	Prince Harold ..	A. P.	Mrs. M. E. Robertson, Wallacedale
159	Prince Imperial ..	A. D.	A. Collins, Watchupga
1084	Prince Kennedy ..	4 D.	J. Osborne, Marungi
480	Prince Lad ..	6 D.	W. Guskett, Morningside
1569	Prince McQuaid ..	6 D.	G. A. Anderson, Lascelles

* *Note.*—Age in years. A., aged; D., draught; L., light; P., pony; T., thoroughbred.

STALLION REGISTER 1936–37—*continued.*

Cert. No.	Name.	Age* and Class.	Owner and Address.
1640	Prince Owen Glendower	A. P.	H. M. Walker, Melbourne
1742	Prince Que ..	A. P.	H. D. Bromley, Mitcham
1229	Prince Sandy ..	3 D.	J. L. Judd, Yanac
1154	Prince Victor ..	3 D.	J. Pell, Picola
1609	Prince Wallace ..	A. D.	Jas. Pole, Nullawil
69	Prince Wigton ..	A. D.	J. Strobridge, Brookville
1274	Prince William ..	4 D.	O. A. Cockfield, Nowie
1389	Profit	3 T.	G. Luckie, Springhurst
1551	Puzzler	6 P.	K. S. Bedwell, Buln Buln
229	Pyingerra Desire..	3 D.	D. N. McDonald, Miram South
152	Quarrington Lad..	A. D.	T. A. Hamblin, Toolleen
479	Quattas Belmont..	A. D.	M. Lindsey, Baranduda
958	Quiamong ..	A. T.	N. F. Armytage, Melbourne
1585	Radiant Derby ..	A. L.	W. A. Riedell, Nathalia
892	Radiant Globe ..	4 L.	T. R. Greskie, Katandra
638	Radiant Kinsman	3 D.	C. C. Thomson, Patchewollock
85	Rafa	A. P.	W. Hawke, Kilmany
585	Ranfurlys Pride ..	A. D.	G. Stone, Daalka
587	Ranor	A. L.	J. V. Haggblom, Sea Lake
1718	Raron	A. T.	S. M. Cleland, Hamilton
1385	Rasseel Laddie ..	4 P.	W. and D. Cochrane, North Poowong
1304	Rattler	3 D.	D. R. White, Janiember East
86	Real O.K. ..	A. D.	J. Crilly, Carag Carag
477	Recompense ..	A. D.	F. H. Baker, Jung
1057	Red Douglas ..	5 D.	L. S. Wandel, Underbool
525	Red Hill Prince ..	4 D.	E. F. Higgins, Merrinee
800	Reedsdale Lad ..	4 D.	W. C. Morrison, Pakenham East
595	Refiner	3 D.	N. T. McMillan, Pier Millan
121	Reflection ..	A. D.	D. Reardon, Mansfield
341	Reflector ..	6 D.	Dyke Bros., Gre Gre
476	Regal Hiawatha ..	A. D.	L. Lees, Campbelltown
883	Regal Salute ..	4 D.	H. F. Carroll, Wymlet
478	Reitcam Meluke ..	4 D.	Muller Bros., Nagambie
1095	Reliance ..	5 D.	J. Hunter, Murrabit
914	Resolution ..	A. D.	J. V. Trethowan, Rockbank
1221	Retrieve ..	3 L.	Baker Bros., Stanhope
316	Review	A. D.	A. E. Barbary, Woomelang
1716	Rexdale ..	A. D.	Mrs. H. B. Cannard, Lascelles
1507	Ribbonwoods Echo	3 L.	E. Earl, Shelford
808	Ribbonwoods Last	A. L.	G. Luckie, Springhurst
675	Richburn Baron ..	3 D.	S. Gould, Richmond Plains
1253	Richville Favourite	5 D.	W. Wyatt, Pallarang
1453	Riddell Romany Rajah	4 D.	R. Winterbottom, Cohuna
270	Riddell Romany Ruler	3 D.	J. Thompson, Werribee
437	Rightaway ..	A. L.	G. H. Mitchell, Speed
212	Right Dale ..	A. L.	A. K. Gerrans, Jamieson
900	Ring Master ..	4 D.	Mrs. M. Arthur, Coleraine
1207	Ringwood Crystal	4 D.	J. A. Davis and Son, Corowa, New South Wales
1435	Rising Dawn ..	A. D.	G. N. Pilmore, Gerang
758	Rising Moon ..	3 D.	N. J. Quick, Mollongghip
289	Rising Sun ..	A. D.	J. O'Bree, Piangil
125	Riverdale ..	A. D.	A. C. Walder, Watchem
1728	Riverton Favour..	4 D.	S. White, Derby
318	Robert Bruce ..	A. D.	A. G. Evans, Lima East
1763	Robert Downs ..	6 L.	T. Clark, Nyah
1140	Robin Escort ..	5 D.	W. McCarty, Lake Rowan
134	Robins Style ..	6 D.	A. T. W. Holland, Warracknabeal
1256	Robric Boy ..	5. D.	D. Rickard, Curyo
588	Rocket	A. P.	A. W. Thomson, Hamilton
1034	Roderick Dhu ..	3 D.	D. Blair, Buckrabanyule
1759	Rodney Lad ..	4 L.	N. Minchin, Toolamba West
780	Romeo	4 P.	W. D. Armit, Bindi
991	Ronald	4 D.	J. Doyle, Berrybank
1225	Ronsard ..	A. T.	H. F. Hoysted, Wangaratta
589	Rosalinds Pride ..	A D.	G. F. Coles, Traralgon West
1146	Rosebral Bold Prince	3 D.	W. Gracie, Merrigum
568	Rosebray Masterpiece	5 D.	Kennett Bros., Kaniva
214	Rosebrae Reflector	6 D.	A. Lynch, Meringur
116	Rosedale I. ..	A. D.	G. T. Werner, Jeparit
179	Rosedale II. ..	A. D.	E. Schuller, Rainbow
955	Rosedale Again ..	4 D.	Mrs. E. Gilmour, Willenabrina
421	Rosedale Superb..	3 D.	J. M. Smith, Melbourne
1155	Rosemont Lebbeus	3 D.	A. Muir, Picola North
1157	Rosemont Pride ..	4 D.	P. McGillivray, Berrigan, New South Wales
1168	Roseneath Ambition	4 D.	F. Sutton, Gredgwin
1414	Roseneath Baronet	A. D.	Doig and Heriot, Wangaratta
325	Roseneath Craig ..	A. D.	E. McKoy, Wodonga
160	Roseneath Ivan ..	A. D.	E. Ryan, Kyabram
872	Roseneath Pilot ..	3 D.	G. Oxley, Gre Gre
552	Rosevier's Ben ..	3 D.	H. J. Jones, Jeparit
1014	Rosevier's Duke ..	3 D.	Bainger Bros., Neuarpur
767	Rosevier's Flash Idol	4 D.	F. C. Coy, Woorndoo
28	Rosevier's Flashlight	4 D.	D. I. Gibson, Lismore
553	Rosevier's Liston	3 D.	Gaulke Bros., Tarranyurk
401	Rosewood Noble..	4 D.	A. A. Stokes, Abbotsford
1726	Roseworthy ..	A. L.	Executors of the Estate of the late Mrs. R. Stone, Derrinallum
1457	Roslyn	5 P.	E. Allan, Ondit
96	Rossc rea Baron Craig	3 D.	J. Magee, Longerenong
924	Rossc rea Master Craig	4 D.	Mrs. E. J. Ferry, Galaquil
1621	Rossendale ..	A. P.	J. E. Burkinshaw, Young, New South Wales
1191	Ross Glen Callum	5 D.	H. C. Younger, Greta
1597	Rostrata ..	A. L.	K. Urquhart, Hexham
50	Royal Albion ..	6 D.	J. Morgan, Clayton
1578	Royal Anchor ..	3 P.	Salter Bros., Cullen
204	Royal Bellman ..	A. D.	A. A. Johns, Horsham
510	Royal Belmont ..	A. D.	W. A. Creighton, Molesworth
1054	Royal Cap ..	5 T.	T. G. Turner, Dergholm
195	Royal Captain ..	A. D.	G. H. Nunn, Tiega
590	Royal Castle ..	6 D.	C. Hawker, Lillimur
1739	Royal Chief ..	A. D.	P. Tobin, Minyip
591	Royal Chief ..	6 D.	F. Morey, Yabba North
1090	Royal Clyde ..	5 D.	J. H. Walder, Watchem
1419	Royal Comedy ..	A. T.	A. C. Hellisen, Yanakie
1682	Royal Dale ..	A. D.	W. J. Scroggie, Noorat
161	Royal Dale ..	6 D.	H. Adams, Undera
210	Royal Dale ..	A. D.	C. Fuller, Linga
169	Royal Dignity ..	5 D.	A. L. Mills, Byrneville
670	Royal Direct ..	4 D.	J. Sutton, Fenton's Creek
1622	Royal Douglas ..	A. D.	Voigt Bros., Nhill
1391	Royal Duke ..	A. D.	Wilson Bros., Rosebrook
194	Royal Escort ..	5 L.	Coe Bros., Ccleraine
807	Royal Fashion ..	A. D.	C. R. Sprake, Murtoa
592	Royal Flight ..	A. L.	W. Coe, Coleraine
806	Royal General ..	6 D.	W. R. McAlpine, Lascelles
885	Royal George ..	A. P.	S. O. Wood, Nagambie
1045	Royal Glancer ..	3 D.	T. S. Old, Boxwood
593	Royal John ..	6 D.	M. W. Warde, Campbell's Forest
594	Royal Kelm ..	A. D.	Mrs. M. Alexander, Glenloth
208	Royal Kerrston ..	A. D.	F. Hamilton, Coonooer Bridge
1570	Royal King ..	A. D.	C. E. Peucker, Nandaly
805	Royal King ..	6 D.	T. H. Hopkins, Chillingollah East
804	Royal Lad ..	A. D.	A. R. Allen, Hardings
1336	Royal Mac ..	A. D.	W. J. Robinson, Truganina
546	Royal Mac ..	3 D.	A. R. Schmidt, Natimuk
1586	Royal Mac ..	A. L.	Charity Bros., Serpentine
120	Royal Mac ..	A. D.	A. Coe, Balliang
1571	Royal McGregor ..	A. D.	G. Simons, Lalbert
277	Royal Mail ..	5 D.	E. and B. Hawkins, Tocumwal
1136	Royal Peter ..	A. D.	H. A. Hanson, Wyuna
1481	Royal Prince ..	A. D.	Trower Bros., Glencairn
1178	Royal Prince ..	5 D.	J. B. Alexander, Bulga
1509	Royal Prince ..	4 P.	R. Brown, Tarwin
1074	Royal Prince ..	3 D.	F. Jenvey, Springhurst
359	Royal Redman ..	A. D.	E. McCabe, Underbool
852	Royal Rouge ..	6 L.	C. L. Wright, Flynn's Creek
52	Royal Scotch ..	A. D.	C. F. Henke, Boolite
1308	Royal Scot ..	4 D.	G. C. Morris, Koimbo
551	Royal Scott ..	4 D.	A. F. Peucker, Sea Lake
851	Royal Standard ..	6 D.	J. Patching, Gymbowen
47	Royal Strabane ..	A. D.	J. Galloway, Majorca
1418	Royal Success ..	5 D.	Gallagher Bros., Eastville
1638	Royal Sunbeam ..	A. D.	G. Bennett, Chinkapook
321	Royal Top ..	A. P.	J. R. McMeekin, Kerang
709	Royalty ..	A. P.	A. J. Kealy, Edenhope
549	Royal View ..	3 D.	G. Giddings, Sea Lake

* *Note.*—Age in years. A., aged; D., draught; L., light; P., pony; T., thoroughbred.

STALLION REGISTER 1936–37—*continued.*

Cert. No.	Name.	Age* and Class.	Owner and Address.
859	Royal Welcome ..	4 D.	A. J. Walker, Swan Hill
1720	Roy Redmond ..	A. L.	E. B. Cochran, Ballarat
671	Rufus	5 D.	J. F. Kelly, Emu
379	Rushbrook Cairnbrogie	A. D.	H. a'Beckett, Underbool
355	St. Chad ..	A. T.	M. Dillon, Monea
1044	St. James Baron..	3 D.	J. F. Kelly, St. James
735	St. Loyal ..	4 T.	W. Free, Gobur
520	St. Ninians Captain	3 D.	V. L. Watson, Nyah
1680	St. Ninians Craigends	A. D.	D. McFarland, Narraport
1746	St. Simon ..	A. D.	F. and G. R. Flynn, Glenloth
465	Sacedon ..	A. T.	E. N. Middleton, Hamilton
1653	Salvation ..	A. D.	Mrs. N. Edwards, Mincha
1679	Sam Huon ..	A. L.	Miss E. O'Brien, East Melbourne
708	Sam Mack ..	A. L.	A. Cheesley, Barnawartha
1738	Sampson ..	A. D.	W. Bingham, Boisdale
921	Sandy Hurst ..	5 D.	S. Waters, Corryong
774	Sanguine Select ..	5 D.	N. A. Procter, Caulfield
213	Santa Claus ..	A. P.	W. C. Greaves, Monomeith
1519	Santrel	A. T.	W. Irvine, Invergordon
706	Sartaress ..	A. L.	R. Benyon, Wodonga
1741	School Bells ..	A. P.	F. A. Wardle, Brim
527	School Bells Junior	6 P.	A. Young, Horsham
1085	Score Boy ..	5 D.	R. J. Free, Lalbert
1539	Scotch Cavalier ..	3 D.	Mrs. E. A. Miller, Yanac South
1499	Scotch Crystal ..	4 D.	J. Culhane, Norong Central
705	Scotch Drummy ..	A. D.	W. G. Young, Neerim
849	Scotch Laddie ..	A. D.	H. A. De La Haye, Dandenong
124	Scotch Mint ..	A. D.	J. P. Slatter, Boort
848	Scotch Mixture ..	A. D.	Mrs. A. F. Downie, Sea Lake
377	Scotch Thistle ..	A. D.	W. H. Waters, Pyramid
850	Scotchie ..	A. D.	I. Kelly, Korong Vale
1637	Scotland Again ..	A. D.	A. McDonald, Mount Wallace
1468	Scotland Again ..	A. D.	J. Mulholland, Eurobin
913	Scotland Forever..	A. D.	S. Rogers, Rainbow
847	Scotland's Dignity	A. D.	A. Walters, Moyhu
374	Scotland's Victor..	A. D.	P. Boyd, Stavely
70	Scottish Baron ..	A. D.	Ellwood Bros., Wallace
1138	Scottish Boy ..	5 D.	J. J. Dickeson, Laen North
704	Scottish Chief ..	A. D.	A. Cheesley, Barnawartha
123	Scottish Chief ..	6 D.	J. Hayden and Sons, Pullut
1661	Scottish Crown ..	A. D.	C. H. McDonald and Sons, Kerang
1255	Scottish Hero ..	5 D.	H. Hilligrove, Watchupga
923	Scottish Ideal ..	4 D.	G. A. Hipwell, Wee Wee Rup
703	Scottish King ..	A. D.	E. E. Glenn, Calulu
1636	Scottish Laird ..	A. D.	M. J. Rogers, Tooan
786	Scottish Star ..	5 D.	Mrs. I. Broome, Noorinbee
495	Scottish Tasman..	5 D.	E. Scott, Lowan
1130	Several	A. T.	S. L. Cross, Minimay
1335	Shamrock Farm Pride	5 D.	A. Holmberg, Hunter
702	Sheik Hadj ..	A. L.	Mrs. A. M. Cook, Moyhu
1202	Shepard Lad ..	5 D.	Messrs. McDermott and Burkinshaw, Mooloort
641	Shepards Masterstroke	4 D.	F. S. H. Crafter, Kewell North
701	Shepherd Again ..	A. D.	S. L. Smith, Manya North
911	Shepherd Clyde ..	6 D.	A. B. May, Beulah
1641	Shepherd Lad ..	A. D.	P. McPartland, Boosey South
506	Sherwood Endeavour	A. D.	S. Dunstan, Huon
581	Shire Don ..	3 L.	N. F. Pickering, Murtoa
373	Shirva Fort ..	A. D.	Messrs. Jackson and McCluskey, Piree
1129	Signon	A. L.	H. T. Rope, Lascelles
997	Silver Dale ..	4 D.	J. M. Bowman, Sunbury
324	Silver King ..	A. P.	A. E. Heard, Numurkah
1396	Silverlyn ..	6 P.	J. Cobain, Sale
1128	Silver Prince ..	A. D.	W. McDonald, Wharparilla North
57	Silver Prince ..	5 D.	A. McCrum, Bunbartha
1348	Silver Trout ..	5 L.	Mrs. M. E. Robertson, Wallacedale
205	Simarre ..	A. T.	E. McIlraith, Numurkah
132	Simon Again ..	A. D.	J. Roulston, Muskerry East
1187	Simon Dale ..	3 D.	E. Wilson, Llanelly
1186	Simon Dale ..	5 D.	J. H. Bant, Carisbrook
1127	Simon's Son ..	A. D.	T. A. Nicholson, Campbelltown
211	Sir Armadale ..	A. D.	A. T. Sharkey, Sutherland's Creek
1337	Sir Banjo ..	4 P.	Mrs. P. Tullidge, Bendigo
376	Sir Bute ..	A. D.	H. Dean, Tinamba
1235	Sir Douglas ..	5 D.	Mrs. E. M. Ray, Meringur
803	Sir Douglas ..	A. D.	W. McNamara, Dartmoor
1126	Sir Percy Northcote	A. D.	Kennett Bros., Kaniva
785	Sir Peter ..	4 D.	F. H. Cannon, Boisdale
114	Sir Prince Argos..	A. D.	A. J. Frankel, Patchewollock
358	Sir Richard III. ..	A. P.	W. Henderson, Grasmere
1125	Sir Robert ..	A. D.	C. P. Tobin, Eskdale
1628	Sir Royal Charm..	A. D.	P. T. Monaghan, Wymlet
1733	Sir Rupert ..	A. D.	N. S. R. West, Corop
1135	Sir Stanley ..	6 P.	Morrison Bros., Creswick
1019	Sky Sign ..	6 T.	M. Rae, Carisbrook
1134	Slip Knot ..	A. D.	T. Dickins, Mystic Park
634	Smoke Stack ..	5 L.	L. Dalziel, Stawell
1599	Smoky	3 P.	Mrs. P. Callaghan, Preston
1515	Soldier Boy of Fenwick	A. P.	Mrs. C. G. Maclellan, South Yarra
922	Some Laddie ..	5 P.	P. Robinson, Corryong
569	Somerton Douglas	4 D.	A. M. Arthur and Sons, Kaniva
672	Sorcerer ..	5 T.	C. Sutton, Fenton's Creek
1133	Southerton Le ..	A. L.	W. Stewart, Mittyack
1656	Spartan ..	5 T.	R. G. Bryant, Melbourne
372	Spearearl ..	A. T.	R. A. Dawson, Dunnstown
1132	Spenagues Baron..	A. P.	R. V. Colliver, Cora Lynn
1494	Sportsman ..	3 L.	C. Tomlinson, Piper's Creek
207	Sportsman's Hero	A. D.	B. P. Brady, Gooram
802	Springside Mac ..	A. D.	W. H. Penaluna, Boolarra
1452	Springbank Lawrence	A. D.	W. H. Crawford, Hamilton
1510	Springmead General	3 D.	J. O'Donnell, Kyneton
1603	Springview Favour	6 D.	Grampo Natalli, Redesdale
770	Squire Watson ..	4 D.	J. Garner, Bostock's Creek
858	Stamperland Star	A. D.	Fullam Bros., Torrumbarry
1762	Stanley Cicero ..	A. D.	M. McNamara, Undera
1370	Stanley Obligation	5 D.	A. Wylie, Colac
870	Stanvale Emblem	3 D.	Baker Bros., Stanhope
871	Stanvale Pride ..	5 D.	Baker Bros., Stanhope
522	Stardom ..	A. T.	J. McClure, Auburn
1643	Stardust ..	A. P.	N. Cakebread, Footscray
1676	Starville ..	A. T.	R. J. Cook, Wendouree
1445	Stealaway ..	A. L.	L. Dalziel, Stawell
1701	Stirling Craig ..	A. D.	Jeffery Bros., Pine Lodge
17	Stirling Even Tide	4 D.	A. A. Stokes, Abbotsford
166	Strathalbyn Flash Silk	4 D.	Lindsay Bros., Bessiebelle
1459	Strathdale ..	3 D.	J. H. Kaye, Carisbrook
980	Strathkellar ..	3 L.	E. M. Middleton, Hamilton
40	Strathkellar Benefactor	6 D.	S. J. Lynn, Orbost
771	Strathlea Baron ..	5 D.	J. Garner, Bostock's Creek
977	Strayon ..	3 T.	R. C. Dennert, Tarrington
1702	Strazeille ..	A. P.	J. O'Neill, Korumburra
768	Struan Major ..	4 D.	G. Murch, Darlington
27	Struan Prince ..	3 D.	S. Turner, Foxhow
801	Stryver	A. D.	Ellwood Bros., Wallace
876	Stylish Craig ..	5 D.	P. J. Flynn, Shepparton
1598	Stylish Tennessee	A. L.	N. D. Halbert, Mitiamo
1462	Stylish Top ..	A. L.	L. J. Bastow, Inglewood
796	Summersby Donald	4 D.	A. V. Bond, Yinnar
1201	Sunbeam Simon's Heir	5 D.	M. Neyland, Bung Bong
686	Sundial	3 D.	J. Slorach, Pomonal
1064	Sunny Baron ..	4 D.	A. Morley, Ruthergien
517	Sunnydale ..	A. D.	J. Minotti and Son, Strathlea
215	Sunnydale ..	A. D.	J. Egan, Leichardt
994	Sunny Jim ..	3 P.	J. W. Robertson, Macarthur
1195	Sunnylands Crystal	4 D.	Evans Bros., Moyhu
1629	Sunnylands Flash	6 D.	G. S. Gibb, Moyhu
1145	Sunnylands Hero	3 D.	J. T. Jones, Wilby
793	Sunnylands Knight	4 D.	E. R. Morton, Drouin
206	Sunnyside Norseman	A. D.	A. E. Buerckner, Tungamah
1217	Sunnyside Pride ..	4 D.	E. G. Griffiths, Cowangie
158	Surbiton Donald..	3 D.	H. E. Ward, Ballarat
1302	Swanie Mauritius	A. L.	D. F. Wilkie, Swan Hill
516	Sweet Bells ..	A. P.	H. Elliott, Bostock's Creek
1024	Sylva Banker ..	3 D.	W. H. Deckert, Diapur
1147	Tamar Banker ..	5 D.	N. R. Pitts, Merrigum
501	Tamar Favourite..	3 D.	W. G. Young, Neerim

* *Note.*—Age in years. A., aged; D., draught; L., light; P., pony; T., thoroughbred.

STALLION REGISTER 1936–37—*continued.*

Cert. No.	Name.	Age* and Class.	Owner and Address.
1245	Tasma Prince ..	4 L.	W. T. Langdon, Gre Gre Village
1041	Taunton Premier..	4 D.	H. G. Jenz, Antwerp
1063	Tearon	4 P.	P. Nott, Rutherglen
884	Teddy	4 D.	I. M. Erhardt, Galah
1642	Tenacious ..	6 P.	T. Williams, Bendigo
1550	Tennessee Jack ..	6 L.	Mrs. L. Smith, Derby
530	The Cavalier ..	A. D.	J. Leitch, Wodonga
857	The Count ..	A. P.	A. M. Thomson, Hamilton
856	The Dux ..	A. D.	T. Draper (jnr.), Yackandandah
690	The Gums Flowerdale	3 D.	D. Jardine, Maryborough
340	The Gums Masterdale	A. D.	W. H. Gibbins, Galah
893	The New Idea ..	3 D.	J. O. Hanson, Fernhill
375	The Night Patrol	A. L.	A. Young, Horsham
855	The Sheik ..	A. L.	E. A. Kramer, Nhill
1357	The Swell ..	4 P.	W. Pharaoh (jnr.), Warragul
1263	The Squire of Thalia	5 D.	Executors of the Estate of the late G. N. Small, Wycheproof
739	The Willows Masterstroke	3 D.	D. R. Morgan, Yea
1376	The Worker ..	4 L.	I. L. Fishwick, Tatura
1744	Thornfield Craig ..	A. D.	Parry Bros., Charlton
515	Thornlie Footprint	A. D.	H. S. Maddern, Serviceton
177	Thornlie Majestic	4 D.	R. R. McDonald, Mannerim
41	Tidlyn	6 L.	F. W. Bowden, Won Wron
1338	Timaru	5 D.	K. R. Ayson, Elmore
1675	Timelock ..	5 L.	M. Delaney, Sale
513	Timely Direct ..	A. L.	J. M. Cromie, Noble Park
1026	Timely Tim ..	5 P.	J. Martin, Wycheproof
423	Timer King	4 P.	C. A. Lawrance, Apsley
918	Tinker Toy ..	3 P.	R. T. Jarvis, Cudgewa
1705	Tiny Tim ..	A. P.	Mrs. R. Winterbottom, Mincha
854	Toby	A. P.	A. W. Thompson, Hamilton
1391	Tommy Atkins ..	4 P.	G. Hobson, Sale
514	Tommy Dodd ..	A. P.	J. Kelson, Kirkstall
788	Tom Thumb ..	4 P.	J. Hope and A. Pharaoh, Warragul
119	Tooma	A. D.	F. Dobinson, Cudgewa
1634	Top Score ..	A. D.	W. Fenton, Kerang
1056	Top Stream Maris Dale	5 D.	B. Hickey, East Trentham
505	Topstream Thymedal	4 D.	R. G. Kiddle, "Wyalla," Kooyong
1466	Torcross ..	6 D.	D. Adams, Melbourne
5	Torcross Prince George	4 D.	J. W. Scott, Katyil
102	Toy Boy ..	A. P.	W. R. and M. Gadd, Wodonga
1374	Tractor's Rival ..	5 D.	H. Ingram, Bonang
742	Tradesman ..	4 D.	R. A. Roulston, Henty
1287	Tredean Prince ..	3 D.	C. R. Reichelt, Pigick
853	Trelawneys Pride	A. D.	F. W. Woolard, Patchewollock
497	Tremenheere Flash Craig	4 D.	C. Hildebrand, West Wyalong, New South Wales
895	Tressavr ..	A. T.	E. Dunstan, Wando Bridge
1677	Trevallyn Baron Dale	A. D.	R. E. Rickey, Ballarat
46	Tripos	A. T.	G. Bowman, Dunluce
45	Trivento ..	6 T.	J. Smith, Whitticsea
339	Trooper ..	A. D.	T. Draffin (jnr.), Tutye
736	Tyrone Boy ..	4 L.	W. T. A. Martin, Tatura
1264	Tullentain Craig's Emperor	4 D.	J. P. Pola, Lalbert
1436	Tumbril ..	A. T.	E. H. Menadue, Footscray
1196	Uley Chieftain ..	5 D.	G. S. Gibb, Moyhu
1240	Universal ..	5 D.	J. Burns, Euroa
781	Valetta Archies Honour	A. D.	W. Saunders, Heywood
1131	Valetta Baron's Mac	A. D.	B. Frew, Marnoo
1167	Valetta Chief ..	A. D.	A. H. Argall, Gerang Gerung
8	Valetta Chief Mate	3 D.	H. Redford, Nurcoung
7	Valetta Elect ..	3 D.	D. J. O'Dea, Netherby
87	Valetta High Honour	A. D.	C. Carter, Karawinna
1139	Valetta Lock Hero	5 D.	Dunstan Bros., South Jeffcott
548	Valetta Supreme..	4 D.	E. L. Sutton, Boigbeat
1662	Valiant	A. T.	S. E. Bailey, Pura Pura
640	Velma Scots Wa Hae	5 D.	H. C. Starick, Murtoa
700	Veradale For Ever	3 D.	K. Cameron, Warracknabeal
699	Veradale Noble ..	3 D.	W. Sheehan, Muckleford
688	Vice Regal ..	4 D.	A. L. and H. A. Pitcher, Tatyoon
1339	Viceroy	4 D.	J. J. Quinn, Elmore
1190	Viceroy Baron ..	5 D.	R. B. Moyle, Yaapeet
162	Viceroy Favourite	A. D.	W. Harris, Garvoc
1293	Viceroy Imprint ..	5 D.	T. A. Clugston, Brentwood
1071	Viceroy Premier ..	5 D.	V. G. Bailey, Werrimull
1141	Victor	6 P.	H. D. Moodie, Waggarandall
1699	Victoria Baritone	A. D.	H. Davies, Drysdale
683	Victoria Biologist..	A. D.	Wood Bros., Epping
356	Victoria Botanist	A. D.	W. Henderson, Grasmere
540	Victoria Double Flash	4 D.	State Research Farm, Werribee
1371	Victoria Flash Jester	5 D.	T. Daffy, Swan Marsh
190	Victoria Flash Pat	5 D.	D. E. Holden, Katunga
731	Victoria Flash Patriot	4 D.	A. B. Chapman, Minyip
539	Victoria Flash Prince	4 D.	A. and J. Kendall, Charlton
982	Victoria Flash Thong	4 D.	J. W. Norris, Balmoral
538	Victoria Lascar ..	3 D.	State Research Farm, Werribee
1529	Victoria Major Wigton	A. D.	L. Hill, Lake Bolac
1528	Victoria Northern Light	A. D.	T. M. Millar, Pearsondale
537	Victoria Pasha ..	3 D.	State Research Farm, Werribee
122	Victoria Prince Norval	A. D.	W. Munro, Gapsted
337	Victoria Solid Stamp	A. D.	W. J. Eades, Colac
521	Victoria Vague ..	A. D.	Mrs. H. S. McEwen, Boonoonar
1241	Victor McLaglen..	5 D.	H. W. F. Lee, North Winton
1401	Victory	5 P.	E. E. Small, San Remo
1218	View Dale ..	5 D.	Mrs. D. M. Wyatt, Cowangie
18	Vine Grove Captain	4 D.	A. Stokes, Abbotsford
570	Vio Malt ..	6 T.	J. A. Cain, Boxwood
1242	Voyaguer ..	3 L.	H. Malouf, Carlton
682	Vue Dale ..	A. D.	P. Maher (jnr.), Tatura
1527	Vue Dales Laddie	A. D.	H. Jensz, Bacchus Marsh
910	Vulcan	A. P.	J. Gapes, Port Fairy
1228	V. Voyage ..	A. L.	D. Larkin, Euroa
681	Waikoura ..	A. D.	W. G. Burns, Lemon Springs
71	Waituna ..	A. D.	S. A. Greaves, Narre Warren
639	Walden Kinsman	3 D.	A. J. Matthews, Banyena South
1076	Walden Radiant Morn	5 D.	W. J. Ellison, Meringur
1526	Waldens Drumcross	A. D.	C. Block, Goroke
1587	Walvare	A. L.	W. Hudson, Finley, N.S.W.
1017	Wanderah Cavalier Prince	3 D.	G. C. Allen and Sons, Broughton
610	Wapilly ..	A. T.	J. Coe, Coleraine
680	War Lord ..	A. D.	T. Attenborough, Poowong North
679	Warrender Craig ..	A. D.	Mrs. J. M. Robertson, Waubra
1447	Warrender Winnamore	3 D.	N. Lang, Warracknabeal
1407	Warrior Again ..	5 D.	W. F. Robertson, Waubra
923	Warrior's Heir ..	3 P.	A. M. K. Byatt, Corryong
935	Watchfull ..	4 D.	J. S. Newth, Whorouly South
1446	Waverley's Idol ..	3 L.	S. Field, Mount Waverley
1553	Wee Charles ..	A. P.	W. Forster Woods, Melbourne
816	Wee Charles ..	A. P.	J. Dawkins, Colac
288	Wee Key ..	A. P.	W. Lamb, Keilambete
371	Welsh Flyer ..	A. L.	P. J. Reid, Milawa
1425	Wemen	A. L.	B. E. Macfarlane, Wemen
542	Werndew Flash Footprint	4 D.	T. Parker, Pepper's Plains
398	Werndew Golden Footprint	A. D.	J. A. Dalrymple, Warracknabeal
1286	Werndew Hero ..	3 D.	C. H. Perkins, Rainbow
526	Werndew Masterman	4 D.	C. E. Hicks, Manangatang
1613	Werrap Browndale	6 D.	R. N. Dunn, Rupanyup
19	Western Star ..	3 D.	D. Peter, Corowa, N.S.W.
1018	Western Vale Banker	3 D.	M. J. Ryan, Broughton

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STALLION REGISTER 1936-37—*continued.*

Cert. No.	Name.	Age* and Class.	Owner and Address.
1714	Weston Front ..	6 D.	J. K. Corcoran, Amphitheatre
1022	Weston Monarch	5 D.	R. O. Borgelt, Woorak
422	Whare Puni Desire	6 D.	F. A. Lehmann, Lismore
370	White Olaf of Manar	A. P.	Mrs. A. D. Maclean, Yan Yean
1523	White Socks ..	A. D.	C. A. Taylor, Annuello
795	Widgiewa ..	5 D.	Miss B. Macdonald, Willow Grove
369	Widgiewa Alick ..	A. D.	G. Jackson (jnr.), Yalca North
678	Widgiewa Belmont	A. D.	J. A. Roberts, Willenabrina North
815	Widgiewa Bill ..	A. D.	N. Procter, South Caulfield
596	Widgiewa Black Diamond	A. D.	A. E. Morey, Katandra West
1439	Widgiewa Cavalier	A. D.	H. G. Bennett, Yanac
582	Widgiewa Chief ..	5 D.	J. C. Smith, Kalkee
336	Widgiewa Edward	A. D.	W. G. Down, Koonda
1687	Widgiewa Fashion	A. D.	J. Price, Mologa
216	Widgiewa Glancer	A. D.	A. Creighton, Tungamah
1708	Widgiewa Intent..	A. D.	F. A. McRae, Wallup
323	Widgiewa Ivo ..	A. D.	E. McKoy, Wodonga
1615	Widgiewa Knight	A. D.	F. G. Moss, Waaia
1657	Widgiewa Lebbeus	A. D.	A. H. Hooper, Dookie
1614	Widgiewa Mac-Robertson	A. D.	Munro Bros., Galah
597	Widgiewa Mark ..	A. D.	E. F. Arthur, Wail
598	Widgiewa Marshall	A. D.	J. Sullivan, Beckom, N.S.W.
1096	Widgiewa Model ..	5 D.	F. Connelly, Kerang
1704	Widgiewa Ninian	A. D.	W. Robertson, Lake Boga
1174	Widgiewa Rose-mont	6 D.	Mrs. M. E. Taggert, Bannerton
1273	Widgiewarra ..	5 D.	F. W. Mitchell, Laibert
315	Widgiewa Sapper	A. D.	A. J. Froud, Sale
746	Widgiewa's Model	3 D.	F. J. Lane, Woodfield
1670	Wildfire ..	3 L.	F. A. Lane, Macorna
1097	William Dale ..	3 D.	E. O. Manuel, Kerang
1321	William Grattan ..	5 L.	G. Miller, Echuca
765	William Lad ..	5 L.	A. P. Peel, Beauchamp
368	William Wallace ..	A. D.	F. E. Southwell, Linga
599	Willie Belmont ..	A. D.	J. S. P. Allen, Broughton
1398	Willie Craig ..	A. D.	A. T. Leishman, Kingston
600	Willie Holton ..	6 D.	H. D. Boxall, Woomelang
814	Willie McBride ..	A. D.	S. A. and J. O. Cheatley, Colbinabbin West
1592	Willies Pride ..	6 D.	V. H. Rentsch, Minhamite
24	Willowbank Duke	4 D.	K. Cameron, Warracknabeal
1659	Willowbank Hero	6 D.	H. Adams, Undera
1148	Willowbank Major	4 D.	J. Elliott, Cooma
1160	Willowbank Ronald	4 D.	E. Murphy and Sons, Yarraville
402	Willow Grove Fashion	4 D.	Ryan Bros., Gatton, Queensland
1173	Willowhurst Pride	4 D.	C. J. Cable, Boort
1512	Wilma Dick Lee..	5 D.	R. W. Crozier, South Morang
1552	Wimmera Success	A. D.	McFarlane Bros., Berriwillock
934	Windermere Intermediate	5 D.	P. M. Burdett, Hopetoun
1292	Winmore Cedarville	5 D.	J. McKee and Sons, Clarendon
867	Winsome Banker..	A. D.	E. F. Arthur, Wail
813	Winsome Chief ..	A. D.	H. Redford and Sons, Nurcoung
333	Winsome Favourite	A. D.	J. Darrigan, Colbinabbin East
164	Winsome Jack ..	5 D.	A. Peterson, Blackheath
72	Wizard Brooks ..	6 P.	N. R. Ralston, Mogionemby
919	Wodilla Pride ..	3 D.	E. S. Whitehead, Cudgewa
1310	Wonder Slade ..	3 D.	W. C. Pianta, Tempy
1036	Woodburn Foreman	4 D.	F. Roberts, Charlton South
1415	Woodhack ..	A. T.	P. A. Sinnott, Maffra
1340	Woodhall Sunflower	3 D.	M. J. Hocking, Yallock
812	Woodhurst Warrior	6 D.	G. R. Hildebrand, Leitchville
6	Woodlands Favourite	5 D.	W. Pizer, Coburg
285	Woodlawn Stamp	5 D.	Petrass Bros., Kewell
1332	Woodlea Jock ..	4 D.	T. Moroney, Barnedown
1331	Woodlea John Dewar	5 D.	W. and L. Oliver, Diggora West
992	Woodlea Mac ..	5 D.	C. R. McKenzie, Cressy
1158	Woodview Glen ..	3 D.	F. Stillard, Barooga
1355	Woolamai Banker	4 D.	I. Black, Mount Noorat
276	Woolamai Fame ..	3 D.	T. Buckley, Romsey
274	Woolamai Mack ..	5 D.	V. G. Groutsch, Tocumwal
1404	Worawingeth Black Slade	4 D.	A. T. Leishman, Kingston
811	Worthy Footprint	A. D.	W. G. Ballantine, Cosgrove
1727	Worthy Prince ..	A. D.	A. R. Powles, Karramomus
1013	Wroxham ..	4 T.	W. P. Lancaster, Goroke
1712	Wunnamurra Flash Baron	A. D.	A. C. Jorgensen, Katyil
863	Wunnamurra Flashstroke	6 D.	N. W. Quick and Sons, Mollongghip
218	Wunnamurra Imprint	A. D.	E. V. McMartin, Yanac
1020	Wunnamurra Silverstroke	A. D.	Mrs. E. J. Bennett, Pinnaroo
810	Yanac	A. T.	G. Clarke, Moolerr
899	Yarradale Overdue	A. D.	Goldsmith and Co., Donald
165	Yarram Chief ..	3 D.	H. Wohlers, Minyip
1513	Yarra Pride ..	4 D.	J. T. Bell, Yarra Glen
357	Young Banjo ..	A. P.	W. J. Greaves, Lyndhurst
809	Young Baron Royal	A. D.	J. G. Mengler, Walpeup
314	Young Caesar ..	A. P.	L. R. Brindley, Guy's Forest
864	Young Degree ..	A. D.	L. Greenbank, Snake Valley
1549	Young Flashlea ..	A. D.	A. Rissman, Tarrington
865	Young Foreman ..	A. D.	G. S. Fraser, Ellinbank
319	Young Harperland	A. D.	W. Mellington, Bambill
866	Young Ki Ki ..	A. P.	J. W. Robertson, Macarthur
118	Young Linkwood	A. D.	A. J. Parker, Quambatook
907	Young Lymney Champion	A. D.	W. H. Penaluna, Boolarra
269	Young Mac ..	4 D.	N. McGillivray, Gunbower
906	Young Morocco ..	6 D.	R. M. Smith, Landsborough
905	Young Sapper ..	A. D.	H. White, Cowangie
1537	Young Starling ..	A. L.	W. Regan, Moonee Ponds
1473	Young Surrydale..	3 D.	S. Hancock, Poowong South
1099	Young Viceroy ..	4 D.	J. J. Power, Rochester
1572	Zone Time ..	A. D.	A. Hamilton, Corryong
745	Zoroaster ..	5 T.	R. G. Ritchie, Mansfield

* *Note.*—Age in years. A., aged; D., draught; L., light; P., pony; T., thoroughbred.

REGISTRATION REFUSED

List of Stallions in respect of which Certificates of Registration have been refused but which, the owners having paid the prescribed fee, may be retained for breeding purposes with owner's own mares.

Name.	Age* and Class.	Owner and Address.
Unnamed	5 D.	W. H. Baldwin, Ballarat
Unnamed	4 D.	S. W. Bowers, Moyhu
Unnamed	4 D.	A. C. Braine, Curyo
Unnamed	3 D.	H. and G. Bryant, Werneth
Unnamed	6 D.	Mrs. R. Cannard, Litchfield
Unnamed	A. L.	M. Cole, Wedderburn
Unnamed	A. D.	Elliott Bros., Leneva
Unnamed	4 P.	J. M. Foster, Somerville
Unnamed	3 D.	D. W. K. McCready, Ondit
Unnamed	3 D.	A. E. Morris, Mingay
Unnamed	3 D.	J. Murphy, Dunrobin
Unnamed	A. L.	R. P. Nicol, Yarram

* *Note.*—Age in years. A., aged; D., draught; L., light; P., pony; T., thoroughbred.

STALLION REGISTER 1936–37—*continued.*

Name.	Age* and Class.	Owner and Address.
Unnamed	3 D.	G. Trewin, Orbost
Ailsa Craig	5 D.	McEachern Bros., Strathdownie
Alert	6 L.	S. B. Coghill, Tallangatta
Alfa Downs	4 D.	Boyd Bros., Flinders
Allerton Bold Sunbeam	4 D.	S. McKay, St. Arnaud
Alto Bells	A. P.	J. Barty, Redesdale
Ardoon Style	4 D.	J. Boyle, Watchem
Aringa Bold	3 D.	Mrs. F. Tilley, Port Fairy
Bacchus	4 D.	J. Flanner, Nathalia
Bally Dick	A. P.	M. G. Lennox, Ballan
Barfold	A. D.	N. J. Hanrahan, Barfold
Barney Baron Belmont	4 D.	A. T. Cole, Wodonga
Baron Boxer	5 D.	E. A. White, Allansford
Baron Firth	4 D.	G. Stammers, Byrneside
Baron Ideal	3 D.	H. S. Nixon, Berriwillock
Baron McArthur	6 D.	J. H. Dinning, Hanson South
Baron of Tara	6 D.	M. Coonan, Yea
Baron O.G.	A. D.	L. J. Vine, Ouyen
Baron Pride	3 D.	H. Watts, Yawong
Baron Ron	3 D.	R. W. McConnell, Glenormiston South
Barons Pride	4 D.	W. B. McIntosh, Ellam
Baroona Mutineer	4 D.	W. L. Cooke, Hamilton
Barrabogie	3 D.	H. R. Mitchell, Watchupga
Basil More	A. D.	W. Bildstein, Pirlta
Bay Prince	A. D.	N. A. Campbell, Kerang
Beaconsfield Nord	3 D.	H. H. Woods, Watchem
Bell Boy	A. T.	A. G. Turnbull, Coleraine
Bell Boy	A. D.	H. F. Goldsmith, Corack
Bellman	3 D.	H. Wharton and Bros., Cochrane's Creek
Belmont Again	4 D.	A. E. and C. Emerson, Lake Boga
Belmont Convincer	5 D.	A. G. Bolden, Birchip
Belmont Lad	6 D.	G. Ingram, Echuca
Ben	A. D.	E. J. Dickinson, Tutye
Benambra	5 D.	Nankervis Bros., Corryong
Ben Bolt	4 D.	S. Nunan, Wymlet
Bill Craige	6 D.	Ford Bros., South Muckleford
Black Arbuckle	A. D.	G. A. Liersch, Homecroft
Black Prince	5 D.	M. Walsh and Sons, Swanwater
Black Star	A. D.	Tucker Bros., Mitchell's Hill
Blue North	A. D.	C. Brownlaw, Carwarp
Bobby	A. D.	A. J. Lane, Chillingolah
Bold Baron	4 D.	T. McCarthy, Rosebery
Bold Duke	A. D.	Mrs. E. M. Jenkins, Meringur
Bold Lad	3 D.	H. S. Bailey, Yarraberb
Bold Mack	A. D.	W. H. Baker, Wycheproof
Boldmon	5 D.	A. Cumming, Donald
Bold Prince	3 D.	H. V. Borger, Cornella East
Bold Wallace	6 D.	E. R. Sands, Corack East
Bonna Ribbon	4 D.	Sheedy Bros., Cororooke
Bonnidale	3 D.	H. Overall, Lascelles
Bonnie Clyde	3 D.	Mrs. E. A. Storer, Manangatang
Bonnie Stewart	A. D.	H. J. Gidney, Brighton
Bonny Bruce	A. D.	J. Robertson, Dundonnell
Bonny Chief	4 D.	H. Mason (snr.), Moyston
Brae	4 D.	F. Wilson, Mepunga
Brockleigh Prince	3 D.	S. J. Orton, Moe
Bruce	A. D.	F. Watkins, Thorpdale
Bruce	4 D.	L. Collett, Carwarp
Bruce Douglas	A. D.	M. Bennett, Ballapur
Bruiser	A. D.	Smith Bros., Nullawil
Buchlyvie Again	A. D.	J. H. and W. Oldfield, Nhill
Buonaparte	A. D.	W. J. Soutter, Benambra
Byrondale	3 D.	Mrs. M. Bennett, Birchip
Cairnsmore	6 D.	Duncan Bros., Erinbank
Campaspe Prince	5 D.	G. P. Starke, Kyneton
Captain	6 L.	J. Strobridge, Brookville
Captain	4 D.	W. Walton, Windermere
Captain Craig	3 D.	R. N. Ronalds, Birchip
Captain Reg	3 D.	H. Harrop, Mininera East
Carlyle	A. L.	G. Kneebone, Whorouly
Carngham Flash Baron	A. D.	T. A. Heard, Noradjuha
Cavern Duke	3 D.	S. G. Spittle, Ascot
Cedric Prince	A. D.	C. Mengler, Linga
Celestial Silver Stroke	3 D.	R. Holdsworth (jnr.), Boinka
Charlie	A. D.	J. T. Deering, South Wangaratta
Chester	A. D.	W. H. Robinson, Kerang
Chub McGregor	A. D.	E. Adamson, Barham
Clan MacKenzie	4 D.	J. Purdie, Wunghnu
Clem Junior	A. P.	N. Cole, Camperdown
Clovers Pride	4 D.	P. Bibby, Navarre
Clyde	4 D.	A. G. Talbot, Hopetoun
Clyde	4 D.	W. T. Mitchell, Lower Bethanga
Clyde	4 D.	A. Dick, Tongala
Clyde	4 D.	R. A. Jaensch, Merrinee
Clyde	4 D.	G. Thomson, Kilcunda
Comedy Boy	6 L.	J. A. McEachern, Nelson
Count Douglas	A. D.	C. A. Lawrance, Apsley
Cowden Refiner	5 D.	R. V. Quick, Angip
Craigie Don	A. D.	C. Butcher, Chillingollah East
Craigie Lad	5 D.	J. Mayberry, Warracknabeal
Craig Lea	3 D.	P. Kalladay, Gelliondale
Craig Lion	A. D.	C. Ayres, Rosedale
Dalrymple	6 D.	L. W. Brown, Hopetoun
Dandy	4 D.	J. Fawcett, Chinkapook
Dandy	A. D.	A. McCafferty, Ouyen
Dandy Bell	A. D.	H. Spice, Bacchus Marsh
Dandy's Pride	A. P.	C. Butler, Preston
Darradale	5 D.	E. R. McMonies, Annuello
Dick	5 D.	G. Latta (snr.), Walpeup
Dignitys Choice	4 D.	W. K. Collins, Lillimur
Diggers Pride	4 D.	J. H. Rickard, Curyo
Don	4 D.	A. R. Phillip, Bannerton
Donald	4 D.	E. Hickey, Cocamba
Donald	A. D.	Snart Bros., Gooramadda
Donibristle II.	5 D.	M. I. Wilson, Milawa
Doodles Pride	5 P.	A. Dea (jnr.), Rutherglen
Double Chance	A. T.	McDonald Bros., Mortlake
Douglas	4 D.	J. A. McDonald, Gre Gre Central
Douglas Credit	4 D.	J. R. Morrison, Terang
Drummer	A. D.	F. Bird (jnr.), Yarram
Drummy	6 D.	E. A. Baker, Gillieston
Duke	4 D.	Spring Bros., Romsey
Duke of Gloucester	4 D.	G. A. Plucke, Cramenton
Duke of Jennewar	3 D.	Thomas and Taylor, Montajup
Duke of Kinarla	4 D.	Beacom Bros., Boyeo
Dunsmore	A. D.	J. J. Lawless, Burramine South
Earl George	3 D.	J. Irving and Sons, Bena
Earl Watson	6 D.	R. Douglas, Buckrabanyule
Economist	A. D.	Parker Bros., Quambatook
Electric Bound	3 L.	C. E. Farley, Rosedale
Elmona's Pride	3 D.	A. Weir, Merrinee
Eureka Sensation	A. D.	T. Lucas, Colbinabbin
Feather View Prince Stewart	4 D.	F. R. T. Coles, Kiata
Fish Creek Baron	A. D.	J. J. Mackin, Fish Creek
Flash Bill	3 D.	J. Hiskins, Peechelba East
Flash Direct	A. L.	C. T. Evans, Rathscar
Flash King	A. D.	D. Byrne, Narraport
Flash Mac	3 D.	C. S. Balding, Boort
Gaelic	4 D.	J. Nelson, Winton
Gallant More	6 D.	W. A. Mitchell, Murrayville
Gannawarra Toby	4 D.	W. Mulham, Kyvalley
Garfield Stamp	3 D.	S. J. Bayne and Co., Bullock Swamp
Gay Baron	4 D.	L. B. Curran, Annuello
Gay Boy	A. L.	G. M. Black, Tarwin Meadows
Gay Pride	3 D.	F. Booth, Liparoo
General Print	4 D.	K. Evans, Tudor
George	A. L.	F. Watkins, Melbourne
Giffard Lad	A. D.	H. F. Shields, Giffard West
Glenburn Pride	6 D.	K. Burns, Tempy
Glen Craig	6 D.	Mrs. M. E. Barber and Sons, Birchip
Glenda	5 D.	A. Mulqueeney, Tungamah
Glen Gonner	A. D.	J. McGregor, Tunart
Glen Grove Lynguard	3 D.	J. J. Carmody, Bullock Swamp
Gleniris Royal	3 D.	G. Pearse, Nyah West
Glen McBride	6 D.	H. Jager, Swan Hill
Glen Nevis Guard	5 D.	F. F. Nolte, Tahara
Golden Guy	4 D.	W. S. Murray, Bannerton
Goomalibee Prince	A. D.	G. Goodman, Benalla
Goulburn Prince	4 D.	G. Holloway, Tabilk
Grace View Duplicate	3 D.	H. Vaughan, Nyamville
Grampian's Favourite	4 D.	J. Whiting, Terang
Hamilton's Pride	A. D.	T. Mitchell, Watchupga
Hampton Prince	5 D.	R. Cossens, Watchupga

* *Note.*—Age in years. A., aged; D., draught; L., light; P., pony; T., thoroughbred.

STALLION REGISTER 1936–37—*continued.*

Name.	Age* and Class.	Owner and Address.
Handy Choice	3 D.	G. Heaver, Casterton
Harley's Pride	4 D.	A. J. Froud, Sale
Harvey's Pride	4 D.	J. H. Mortlock, Woomelang
Heather John	3 D.	A. G. Martin, Natimuk
Hector Lee	A. D.	J. S. Carlyon, Wahring
Hero's Lad	3 D.	W. C. Hodges, Macarthur
Highland Boy	4 D.	J. J. Carmody, Leongatha
Hill King	A. L.	A. E. Cummings, Berrimal
Hinkler	A. D.	H. Fisher, Yaapeet
Holly Green	A. D.	Mrs. R. Fregon, Bairnsdale
Honest Glen	A. L.	W. Eichler, Chillingollah
Honest Jack	5 D.	A. E. Bailey, Woomelang
Huonson II.	A. L.	W. Marke, Girgarre
Ideal Ambassador	A. D.	C. J. Liesfield, Rainbow
Ideal Scotsman	A. D.	N. E. Miller, Yanac South
Ideal Supreme	4 D.	T. Parker, Pepper's Plains
Ike	6 D.	J. Matthews, Capel's Crossing
Ivan's Pride	4 D.	R. C. Sheldon, Pinnaroo
Ivo	4 D.	J. M. Carroll, Mudgegonga
Jack	A. D.	H. S. Hayes, Toolleen
Jerry	3 D.	H. Williamson, Whorouly East
Jessie's Lad	6 D.	A. J. Hurnall, Beulah
John Henry	A. L.	Messrs. Raymond and Rankin, St. Albans, Geelong
Johnny Walker	5 P.	G. Gordon, Ellerslie
Jollie	A. D.	J. L. White, Mittyack
Justice Lad	6 D.	D. V. McNight, Kerang
Karmon Imprint	3 D.	J. M. Connell, Murra Warra
Kawarau Liston Craig	3 D.	V. O. Frost, Netherby
Keayang	3 D.	J. Blain, Dixie
Killara Flash Lad	4 D.	Mrs. S. E. Kent, Sheep Hills
King Cole	3 D.	E. P. Quirk (jnr.), Woomelang
Kingsford	3 D.	N. Clemens, Myrtleford
Korongah Bold Eric	A. D.	W. R. Hines, Donald
Larry	A. D.	A. T. Erwin, Callawadda
Lauderdale Kevin	3 D.	J. P. Conlan, Nandaly
Lieutenant Charles	3 D.	W. E. Lincoln, Portarlington
Lieutenant William	4 D.	Smith Bros., Echuca
Linkwood Prince	A. D.	V. S. Holt, Kurraca West
Little Wonder	A. P.	H. F. Ridd, Molesworth
Lord Allenby	6 D.	P. V. Tomamichel Ultima
Lord Craig	5 D.	Jos. Hayward, Wood Wood
Lord Dargo	6 D.	J. and D. Scott, Dargo
Lord Kapuka	4 D.	F. McKew, St. Arnaud
Lord Roberts	5 D.	R. Wight, Woodside
Lord Silver	4 D.	Warne Bros., Culgoa
Lord Victor	5 D.	J. Montgomery, Milawa
Lord Widgie	5 D.	W. H. Carlile, Granya
Lost Time	6 D.	J. T. McNamara, Wilson's Creek
Ludoviko	4 D.	E. A. Huebner, Sheep Hills
Lyndale Prince	4 D.	R. Stockdale, Koonwarra
Mack Mettis	A. L.	A. G. Pole, Jil Jil
Major	4 D.	C. A. Janetzki, Nhill
Major	3 D.	V. Rupp, Nhill
Major Craig	3 D.	J. Kennedy, Rochester
Major Laddie	A. D.	G. R. Stratton, Echuca
Maori Chief	3 D.	J. M. Walton, St. Arnaud
Marcus	6 D.	Jas. Crowe, Codrington
Mark	A. D.	C. Godward, Mincha
Marshstyle	6 D.	W. Dalrymple, Dingee
Master Dale Bellmond	3 D.	A. C. Bell, Walpeup
Master Napoleon	5 D.	J. Houlahan, Eppalock
Master Viceroy	3 D.	E. and A. Roll, Rainbow
Maxmay	A. D.	D. S. Stewart, Swan Hill
Melrock Dalmore	6 D.	J. Wallsgott and Sons, Beulah
Monte Again	5 D.	O. B. H. Huebner, Sheep Hills
Murra Footprint	3 D.	Mrs. E. M. Fisher, Jeparit
Myall Punch	A. D.	R. B. Metherall, Sea Lake
Naseby Monitor	3 D.	C. Hewitt and Sons, Werrigar East
Netha Ha Andy	6 D.	J. H. McMahon, Merrinee
New King	3 D.	A. M. Hamence, Lake Cullulleraine
Newton	A. D.	C. Savage, Cobden
Northern Light	4 L.	R. H. Painter, Mincha
Norwood Prince	3 D.	C. H. Roediger, Lorquon
Oakdale	5 D.	G. McKinnon, Rosebery East
Oldham Park Marquis	3 D.	W. G. Pope, Donald
Ondit	A. D.	Executors of the Estate of the late N. Thornley, Hawkesdale
Onward Mac	4 D.	W. W. McConnell, Marionvale
Overtone	6 D.	J. P. Maher, Minyip
Panacea Lad	5 D.	J. Hickey, Timor West
Patrician Prince	6 D.	J. Cullen, Mortlake
Pete	A. P.	J. Knight, Goornong
Peter	4 D.	J. W. Robinson, Clunes
Peter Pan	4 D.	R. H. Doran, Watchupga
Pettadales Pride	A. D.	D. Green (jnr.), Nullawil
Pettadale Success	3 D.	A. Nancarrow, Culgoa
Pine Park Favour	4 D.	Trask Bros., Warncoort
Pine Vale Ron	5 D.	R. C. Halden, Yielma
Premier Royal	6 D.	E. M. Neyland, Wood Wood
Pride of the Hills	5 D.	J. F. Edebouls, Narre Warren
Pride of Woomelang	5 D.	J. A. Kelly, Woomelang
Pride of Yeodene	3 D.	R. De La Rue, Colac
Prince	A. D.	M. Findlay, Mincha
Prince	4 D.	W. Cameron, Lascelles
Prince	5 D.	A. H. Fawson, Bairnsdale
Prince Avon	3 D.	A. G. and H. Pole, Jil Jil
Prince Chivalry	4 T.	F. J. Koch, Henty
Prince Garvin	5 D.	G. Hunter, Wurdi Bolac
Prince Herod	5 D.	H. C. Walker, Netya
Prince Imperial	A. D.	A. McNee, Nandaly
Prince Lebheus	4 D.	R. J. Morden, Nathalia
Prince Ravch	A. D.	A. McGarry, Nyarrin
Princes Prize	6 D.	Moran Bros., Bullaharre
Prince View	5 D.	G. Bartlett, Orford
Prince Winalone	3 D.	G. Crabbe, Yeo
Prospect Craig	4 D.	R. A. Keam, Lah
Punch	A. L.	A. Churchill, Kilcunda
Punch	A. D.	W. Earl, Woodside
Punch	A. D.	J. Sansom, Bayles
Quality Swell	A. D.	C. R. Taylor, Allansford
Radiant Crown	A. D.	A. F. Kruger, Rainbow
Recruit	A. D.	C. J. Stevenson, Pirita
Referee Junior	6 D.	D. A. Reddie, Weering
Ragged Ken	4 D.	C. Gray, Maffra
Repeater II.	A. D.	A. Engler, Carina
Revo Slade	3 D.	G. A. Barnes, Hopetoun
Rexworth Lindale	A. D.	C. E. Collins, Turriff
Robin	5 D.	H. L. Treasure, Stratford
Robin	5 D.	A. Scroggie, Terang
Robin	A. D.	E. A. Drendel, Ouyen
Robin	A. L.	A. Kerr, Ballarat
Rob Roy	A. P.	Miss E. A. Small, Hawthorn
Rodger	4 D.	C. Brain, St. Arnaud
Roseneath Duke	5 D.	J. Hogan, Gooramadda
Rosscrea Master Laird	4 D.	D. A. Zippel, Wonwondah East
Roudy	A. D.	R. White, Elmore
Rover	A. D.	B. Evans, Strathcona
Royal	4 D.	H. Green (snr.), Romsey
Royal Baron	A. D.	G. E. Tyler, Sale
Royal Coast Guard	6 D.	A. J. Millar, Hopevale
Royal Drew	5 D.	H. F. Hunter, Wychitella
Royal Hero	6 D.	Mrs. P. E. Etherton, Broughton
Royal King	3 D.	J. I. Collins, Woomelang
Royal King	A. D.	D. Gorman, Crossley
Royal King	4 D.	W. A. Jones, Dumosa
Royal Mattie	3 D.	J. Kelson, Kirkstall
Royal Newton	A. D.	J. Warwick, Strathallan
Royal Nugget	A. D.	T. H. McClelland, Bealiba
Royal Park	3 D.	Opray Bros., Nerrena East
Royal Ranger	3 L.	D. Trigger, Mount Eccles
Royal Sovereign	4 D.	R. J. Nesbitt, Springhurst
Sailor	A. D.	A. G. Turnbull, Coleraine
Sam	A. D.	A. G. Turnbull, Coleraine
Sandy McNab	4 D.	S. Germain, Yaapeet
Scooper	5 D.	E. McEvoy, Colbinabbin
Scotch Willie	4 D.	J. A. Hinton, Vite Vite North
Scotland's Duke	A. D.	H. F. Quick, Brim
Scotland's Plaid	5 D.	A. Crafter, Kewell North
Scotland's Pride	5 D.	C. Edgecumbe, Nyarrin
Scottie	3 D.	M. McGillivray, Bald Rock
Scottish Boy	3 D.	H. E. Vincent, Myrtleford
Scottish King	3 D.	J. Branson, Piangil
Scottish Major	4 D.	R. W. S. Elder, Jeruk
Scottish Master	5 D.	R. P. Nicol, Yarram
Scotty	6 D.	C. Quick, Brim
Scotty's Crown	4 D.	M. Stevenson, Tallangatta
Scrap Iron	4 P.	L. Surtees, Nariel
Shepherd of Albyn	A. D.	T. P. Moroney, Tongala

* *Note.*—Age in years. A., aged; D., draught; L., light; P., pony; T., thoroughbred.

DEPARTMENT OF AGRICULTURE, VICTORIA

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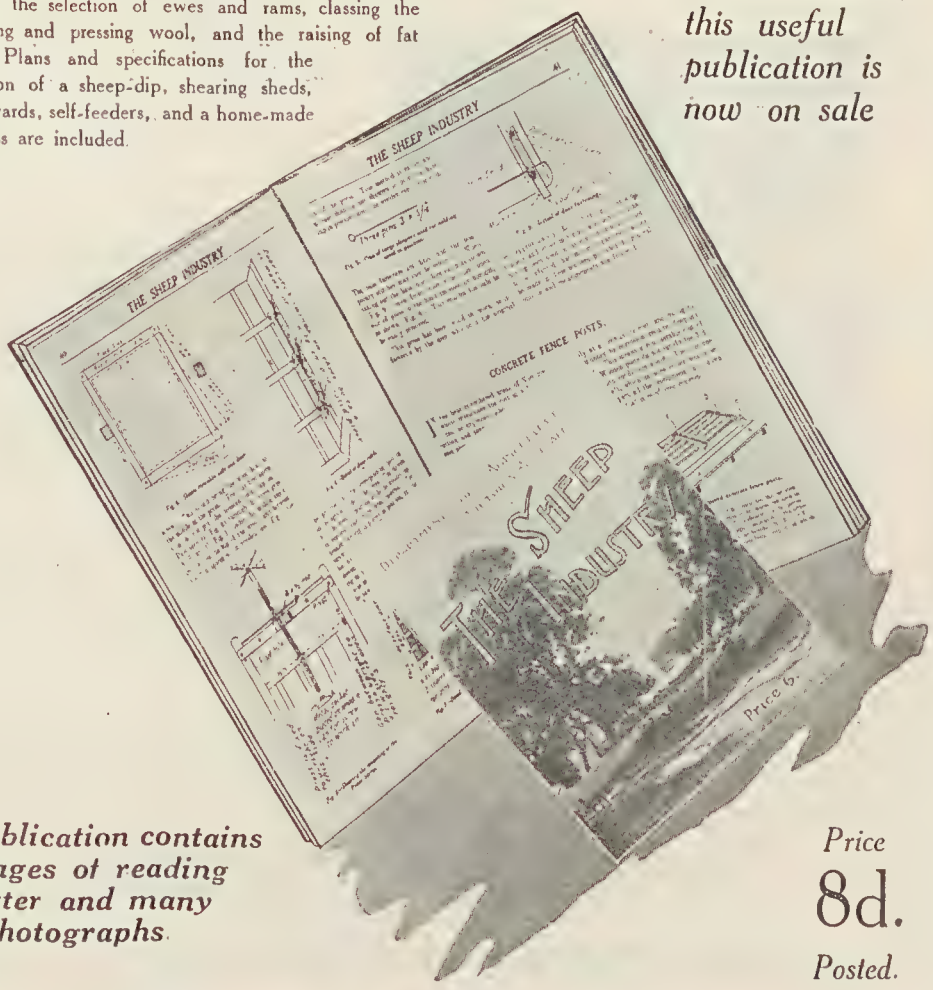

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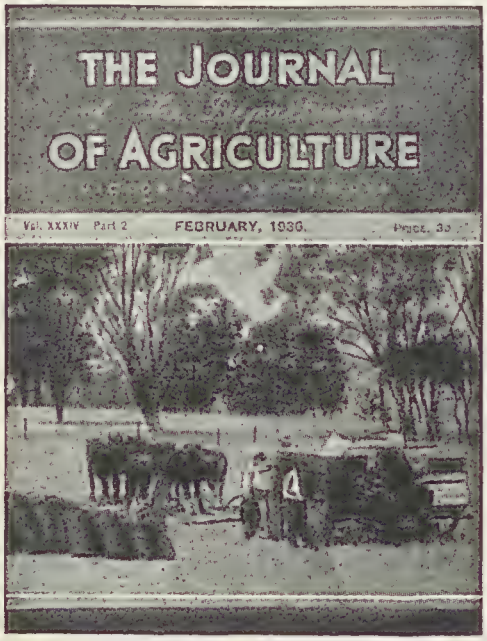

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* *Note.*—Age in years. A., aged; D., draught; L., light; P., pony; T., thoroughbred.

Seventeenth Annual Report (*Continued from page 237.*)

submitted for examination were so obviously "scrub" animals that they should never have been kept as entires.

It is to be regretted that during the year 367 rejected stallions were registered for use with the owners' mares. The use of these horses for breeding purposes unquestionably will be responsible for numbers of unsound and poor type horses in the future thereby nullifying to an appreciable extent the improvement in horses which the Act undoubtedly has effected.

Examination of Mares.

Under a voluntary scheme stud book mares may be submitted for examination for soundness to the veterinary officer at scheduled parades. A fee of £1 is charged for the examination, and certificates of soundness are issued for three-year-olds and four-year-olds and a life certificate for mares five years old or over.

During the year many owners have availed themselves of the opportunity of having their mares examined and, as breeding from sound mares is most desirable, it is hoped that during the coming season all stud breeders will present at least some of their mares for examination.

IMPORTATIONS.

During the year some seventy Clydesdale colts and fillies were imported and generally speaking, they represented the best line of Scottish blood, and should do much to still further improve the breed in this State.

Appeals.

During the year ten examinations were conducted by Appeal Boards appointed under the Act against decisions of veterinary officers. Three of the appeals were upheld, the remainder being dismissed.

Parades for Coming Season.

The schedule of parades is published on page 254 and owners of stallions are advised to select the centre that will be most convenient to them. Application for registration should be made, on the prescribed form, before 1st July. Applications must be accompanied by a fee of £3, which comprises registration fee of £1 and compensation fee of £2. The necessary forms may be obtained from secretaries of agricultural societies and from officers in charge of police stations.

Change of ownership must be notified without delay in order that certificates of registration may be endorsed accordingly. A registration expires within 30 days of change of ownership unless the required notice is given.

Stallion Parades

Time Table, 1937

Provided that the applications for registration received indicate that one horse or more will be in attendance there for examination, a parade will be held at each of the following places.

Horses submitted for examination must have had such training that the Examining Veterinary Officer may with safety handle their legs ; further, the legs of every animal should be in a thoroughly clean condition.

No. and Date.	Parade.	Time.	Officer Arrives.	Officer Departs.
Every Saturday from July 3 to December 18	Agricultural Offices	10 a.m. ..		
No. 1.				
Tuesday, July 6 ..	Tarranyurk Railway Station ..	9 a.m. ..	Driving ..	Driving
Tuesday, July 6 ..	Jeparit Show Grounds	10 a.m. ..	Driving ..	Driving
Tuesday, July 6 ..	Lorquon Railway Station ..	12 noon ..	Driving ..	Driving
Tuesday, July 6 ..	Netherby Railway Station ..	1 p.m. ..	Driving ..	Driving
Tuesday, July 6 ..	Yanac Railway Station	3 p.m. ..	Driving ..	Driving
Tuesday, July 6 ..	Broughton	4 p.m. ..	Driving ..	Driving
Wednesday, July 7 ..	Kaniva Commercial Hotel ..	9 a.m. ..	Driving ..	Driving
Wednesday, July 7 ..	Miram, on Western Highway ..	11.30 a.m. ..	Driving ..	Driving
Wednesday, July 7 ..	Tarranginnie, on Western Highway	12 noon ..	Driving ..	Driving
Wednesday, July 7 ..	Nhill Show Grounds	2 p.m. ..	Driving ..	Driving
Wednesday, July 7 ..	Salisbury	3.30 p.m. ..	Driving ..	Driving
Wednesday, July 7 ..	Gerang Gerung Railway Station ..	4.30 p.m. ..	Driving ..	Driving
Thursday, July 8 ..	Dimboola Show Grounds ..	9 a.m. ..	Driving ..	11.50 a.m.
No. 2.				
Tuesday, July 6 ..	Natimuk Railway Station ..	10 a.m. ..	5.25 p.m. (5th)	11.20 a.m.
Tuesday, July 6 ..	Gymbowen Railway Station ..	1 p.m. ..	1 p.m. ..	Driving
Tuesday, July 6 ..	Goroke, Goroke Hotel	1.30 p.m. ..	Driving ..	5.15 p.m.
Tuesday, July 6 ..	Edenhope Sale Yards	3 p.m. ..	Driving ..	Driving
Wednesday, July 7 ..	Horsham, Young Bros.' Sale Yards	8 a.m. ..	8.30 p.m. (6th)	1.10 p.m.
Wednesday, July 7 ..	Glenorchy Railway Station ..	2.48 p.m. ..	2.48 p.m. ..	Driving
Wednesday, July 7 ..	Stawell, L. Dalziel's Stables ..	4 p.m. ..	Driving ..	6.30 p.m.
Thursday, July 8 ..	Ararat Railway Station ..	9 a.m. ..	8 p.m. (7th)	Driving
Thursday, July 8 ..	Tatyoon Post Office	10 a.m. ..	Driving ..	Driving
Thursday, July 8 ..	Willaura Railway Station ..	11.30 a.m. ..	Driving ..	Driving
Thursday, July 8 ..	Maroona Railway Station ..	12.30 p.m. ..	Driving ..	Driving
No. 3.				
Monday, July 5 ..	Wedderburn Railway Station ..	2.13 p.m. ..	2.13 p.m. ..	Driving
Monday, July 5 ..	Logan Hotel	3.30 p.m. ..	Driving ..	Driving
Tuesday, July 6 ..	Charlton Cricket Club Hotel ..	11 a.m. ..	Driving ..	2.54 p.m.
Tuesday, July 6 ..	Wycheproof Sale Yards ..	3.30 p.m. ..	3.30 p.m. ..	Driving
Wednesday, July 7 ..	Nullawil Railway Station ..	9 a.m. ..	Driving ..	Driving
Wednesday, July 7 ..	Warne Railway Station ..	10 a.m. ..	Driving ..	Driving
Wednesday, July 7 ..	Culgoa, Kaneira Hotel	11 a.m. ..	Driving ..	Driving
Wednesday, July 7 ..	Berriwillock Railway Station ..	12 noon ..	Driving ..	Driving
Wednesday, July 7 ..	Sea Lake, Royal Hotel	2 p.m. ..	Driving ..	Driving
Wednesday, July 7 ..	Nyarrin Railway Station ..	3 p.m. ..	Driving ..	Driving
Wednesday, July 7 ..	Nandaly Railway Station ..	3.30 p.m. ..	Driving ..	Driving

STALLION PARADES, TIME TABLE—*continued.*

No. and Date.	Parade.	Time.	Officer Arrives.	Officer Departs.
No. 4.				
Monday, July 12 ..	Rushworth Railway Station ..	11.22 a.m. ..	11.22 a.m. ..	12.50 p.m. (Goods)
Monday, July 12 ..	Stanhope Railway Station ..	2 p.m. ..	1.30 p.m. ..	5.38 p.m.
Tuesday, July 13 ..	Murchison East Railway Station..	9 a.m. ..	6.35 p.m. (12th)	10.42 a.m.
Tuesday, July 13 ..	Tatura Show Grounds	11.31 a.m. ..	11.31 a.m. ..	Driving
Tuesday, July 13 ..	Merrigum Railway Station ..	2 p.m. ..	Driving ..	Driving
Tuesday, July 13 ..	Kyabram Railway Station ..	2.45 p.m. ..	Driving ..	Driving
Tuesday, July 13 ..	Tongala Hotel	3.45 p.m. ..	Driving ..	4.46 p.m.
Wednesday, July 14 ..	Shepparton Show Grounds ..	9 a.m. ..	8.29 p.m. (13th)	Driving
Wednesday, July 14 ..	Pine Lodge, Methodist Church ..	11 a.m. ..	Driving ..	Driving
Wednesday, July 14 ..	Dookie Railway Station.. ..	12 noon ..	Driving ..	Driving
Wednesday, July 14 ..	Yabba North Railway Station ..	2 p.m. ..	Driving ..	Driving
Wednesday, July 14 ..	Katamatite Railway Station ..	3 p.m. ..	Driving ..	Driving
Thursday, July 15 ..	Nagambie, E. W. Hill and Co's. Sale Yards	9 a.m. ..	7.9 p.m. (14th)	10.11 a.m.
Thursday, July 15 ..	Nathalia Railway Station ..	1.17 p.m. ..	1.17 p.m. ..	3.55 p.m.
Friday, July 16 ..	Numurkah, Shamrock Hotel ..	10 a.m. ..	4.37 p.m. (15th)	12.33 p.m.
Friday, July 16 ..	Strathmerton Railway Station ..	12.56 p.m. ..	12.56 p.m. ..	1.5 p.m.
Friday, July 16 ..	Cobram Railway Station ..	1.50 p.m. ..	1.50 p.m. ..	3.30 p.m.
No. 5.				
Monday, July 12 ..	Maryborough Railway Station ..	1 p.m. ..	12.25 p.m. ..	11.32 p.m.
Monday, July 12 ..	Avoca Railway Station	3 p.m. ..	Driving ..	Driving
Tuesday, July 13 ..	Mildura Railway Station ..	8.30 a.m. ..	7.15 a.m. ..	Driving
Tuesday, July 13 ..	Redcliffs Railway Station ..	9.15 a.m. ..	Driving ..	Driving
Tuesday, July 13 ..	Carwarp Railway Station ..	10 a.m. ..	Driving ..	Driving
Tuesday, July 13 ..	Nowingi Railway Station ..	10.30 a.m. ..	Driving ..	Driving
Tuesday, July 13 ..	Hattah-road Junction	11.30 a.m. ..	Driving ..	Driving
Tuesday, July 13 ..	Trinita Railway Station ..	12 noon ..	Driving ..	Driving
Tuesday, July 13 ..	Kiamal Railway Station ..	12.15 p.m. ..	Driving ..	Driving
Tuesday, July 13 ..	Ouyen Show Grounds	1.30 p.m. ..	Driving ..	Driving
Tuesday, July 13 ..	Galah Railway Station	3.15 p.m. ..	Driving ..	Driving
Tuesday, July 13 ..	Walpeup Railway Station ..	4 p.m. ..	Driving ..	Driving
Wednesday, July 14 ..	Torrita Railway Station ..	9 a.m. ..	Driving ..	Driving
Wednesday, July 14 ..	Underbool Railway Station ..	9.30 a.m. ..	Driving ..	Driving
Wednesday, July 14 ..	Linga Railway Station	10.15 a.m. ..	Driving ..	Driving
Wednesday, July 14 ..	Boinka Railway Station ..	11 a.m. ..	Driving ..	Driving
Wednesday, July 14 ..	Tutye Railway Station	11.45 a.m. ..	Driving ..	Driving
Wednesday, July 14 ..	Cowangie Railway Station ..	12.15 p.m. ..	Driving ..	Driving
Wednesday, July 14 ..	Danyo Railway Station ..	1.15 p.m. ..	Driving ..	Driving
Wednesday, July 14 ..	Murrayville Railway Station ..	2 p.m. ..	Driving ..	Driving
Wednesday, July 14 ..	Carina Railway Station ..	2.45 p.m. ..	Driving ..	Driving
Wednesday, July 14 ..	Panitya Railway Station ..	4 p.m. ..	Driving ..	Driving
Thursday, July 15 ..	Morkalla Railway Station ..	11.30 a.m. ..	Driving ..	Driving
Thursday, July 15 ..	Meringur Railway Station ..	12.30 p.m. ..	Driving ..	Driving
Thursday, July 15 ..	Bambill Railway Station ..	1.15 p.m. ..	Driving ..	Driving
Thursday, July 15 ..	Werrimul Railway Station ..	2 p.m. ..	Driving ..	Driving
Thursday, July 15 ..	Karawinna Railway Station ..	3.30 p.m. ..	Driving ..	Driving
Thursday, July 15 ..	Merrinee Railway Station ..	3.45 p.m. ..	Driving ..	Driving
Thursday, July 15 ..	Murray Valley-road and Merrinee-road Junction	4 p.m. ..	Driving ..	Driving
Thursday, July 15 ..	Murray Valley-road and Pirlta-road Junction	4.30 p.m. ..	Driving ..	Driving
Thursday, July 15 ..	Murray Valley-road and Benetook-road Junction	5 p.m. ..	Driving ..	Driving
No. 6.				
Monday, July 12 ..	Tungamah, Tungamah Hotel ..	12.54 p.m. ..	12.54 p.m. ..	4.20 p.m.
Monday, July 12 ..	Devenish Railway Station ..	4.42 p.m. ..	4.42 p.m. ..	8.47 p.m.
Tuesday, July 13 ..	Yarrawonga Royal Mail Hotel ..	10 a.m. ..	9.40 p.m. (12th)	3.55 p.m.
Wednesday, July 14 ..	Euroa Railway Station	9 a.m. ..	6.25 p.m. (13th)	10.51 a.m.
Wednesday, July 14 ..	Rutherglen Show Grounds ..	1.45 p.m. ..	1.45 p.m. ..	Driving
Wednesday, July 14 ..	Wahgunyah Railway Station ..	3.30 p.m. ..	Driving ..	Driving
Thursday, July 15 ..	Benalla Railway Station ..	9.36 a.m. ..	9.36 a.m. ..	11.43 a.m.
Thursday, July 15 ..	Wangaratta Show Grounds ..	1.30 p.m. ..	12.21 p.m. ..	4.54 p.m.

STALLION PARADES, TIME TABLE—*continued.*

No. and Date.	Parade.	Time.	Officer Arrives.	Officer Departs.
No. 7.				
Monday, July 19	Royal Show Grounds	10 a.m.		
Tuesday, July 20	Royal Show Grounds	9 a.m.		
Thursday, July 22	Sunbury Railway Station	9 a.m.	9 a.m.	9.35 a.m.
Thursday, July 22	Kilmore Royal Oak Hotel	9 a.m.	8.58 a.m.	Driving
Thursday, July 22	Werribee Railway Station	10.7 a.m.	10.7 a.m.	12.6 p.m.
Thursday, July 22	Mernda Railway Station	10.17 a.m.	10.17 a.m.	11.2 a.m.
Thursday, July 22	Frankston Railway Station	2.56 p.m.	2.56 p.m.	3.12 p.m.
No. 8.				
Monday, July 26	St. Arnaud Show Grounds	2.15 p.m.	2.6 p.m.	Driving
Monday, July 26	Cope Cope Railway Station	4.30 p.m.	Driving	Driving
Tuesday, July 27	Donald Show Grounds	9 a.m.	Driving	Driving
Tuesday, July 27	Watchem Hotel	12 noon	Driving	Driving
Tuesday, July 27	Birchip, Young and Taylors' Yards	2.30 p.m.	Driving	Driving
Tuesday, July 27	Curyo Railway Station	4.30 p.m.	Driving	Driving
Wednesday, July 28	Woomelang Commercial Hotel	9 a.m.	Driving	Driving
Wednesday, July 28	Lascelles Railway Station	11 a.m.	Driving	Driving
Wednesday, July 28	Speed Railway Station	1 p.m.	Driving	Driving
Wednesday, July 28	Patchewollock Railway Station	3 p.m.	Driving	Driving
No. 9.				
Monday, July 26	Gredgwin Railway Station	3.20 p.m.	3.20 p.m.	Driving
Monday, July 26	Quambatook Hotel	4.30 p.m.	Driving	8.11 a.m. (27th)
Tuesday, July 27	Boort Railway Station	9 a.m.	8.57 a.m.	Driving
Tuesday, July 27	Mysia Railway Station	11.30 a.m.	Driving	Driving
Tuesday, July 27	Korongvale Railway Station	1.30 p.m.	Driving	2.45 p.m.
Tuesday, July 27	Inglewood Railway Station	3.50 p.m.	3.50 p.m.	10.29 a.m. (28th)
Wednesday, July 28	Serpentine	9 a.m.	Driving	Driving
Wednesday, July 28	Bendigo Show Grounds	2 p.m.	11.30 a.m.	6.20 p.m.
Thursday, July 29	Pyramid Victoria Hotel	9 a.m.	7.51 p.m. (28th)	9.57 a.m.
Thursday, July 29	Tandarra Railway Station	10.46 a.m.	10.46 a.m.	12.47 p.m.
Thursday, July 29	Mitiamo Railway Station	2 p.m.	1.19 p.m.	4.27 p.m.
No. 10.				
Monday, July 26	Mystic Park Railway Station	3.11 p.m.	3.11 p.m.	Driving
Monday, July 26	Swan Hill Show Grounds	4.15 p.m.	Driving	Driving
Tuesday, July 27	Nyah West Railway Station	9 a.m.	Driving	Driving
Tuesday, July 27	Piangil Railway Station	9.30 a.m.	Driving	Driving
Tuesday, July 27	Kooloonong Railway Station	10.30 a.m.	Driving	Driving
Tuesday, July 27	Yungera Railway Station	11.15 a.m.	Driving	Driving
Tuesday, July 27	Bannerton Railway Station	12.15 p.m.	Driving	Driving
Tuesday, July 27	Margooya Railway Station	1 p.m.	Driving	Driving
Tuesday, July 27	Annuello Railway Station	2 p.m.	Driving	Driving
Tuesday, July 27	Koimbo Railway Station	2.45 p.m.	Driving	Driving
Tuesday, July 27	Bolton Railway Station	3.15 p.m.	Driving	Driving
Tuesday, July 27	Manangatang Railway Station	4 p.m.	Driving	Driving
Wednesday, July 28	Cocamba Railway Station	9 a.m.	Driving	Driving
Wednesday, July 28	Chinkapook Railway Station	10 a.m.	Driving	Driving
Wednesday, July 28	Chillingollah Railway Station	11 a.m.	Driving	Driving
Wednesday, July 28	Waitchie Railway Station	12 noon	Driving	Driving
Wednesday, July 28	Gowanford Railway Station	12.30 p.m.	Driving	Driving
Wednesday, July 28	Ultima Railway Station	2 p.m.	Driving	Driving
Wednesday, July 28	Lalbert Railway Station	3 p.m.	Driving	Driving
Wednesday, July 28	Goschen Hall	4 p.m.	Driving	Driving
Thursday, July 29	Koondrook Hotel	10 a.m.	Driving	Driving
Thursday, July 29	Kerang, Kerang Hotel	11.30 a.m.	Driving	3.23 p.m.
No. 11.				
Monday, August 2	Murtoa Railway Station	3.30 p.m.	3.30 p.m.	Driving
Tuesday, August 3	Marnoo Railway Station	10 a.m.	Driving	Driving
Tuesday, August 3	Rupanyup Railway Station	12 noon	Driving	Driving
Tuesday, August 3	Minyip, Club Hotel	2 p.m.	Driving	4.29 p.m.
Wednesday, August 4	Hopetoun Show Grounds	9 a.m.	8.20 p.m. (3rd)	Driving
Wednesday, August 4	Yaapeet Railway Station	12 noon	Driving	Driving
Wednesday, August 4	Rainbow, Commonwealth Hotel	1 p.m.	Driving	Driving
Wednesday, August 4	Kenmare	4 p.m.	Driving	Driving
Thursday, August 5	Beulah Show Grounds	8.30 a.m.	Driving	Driving
Thursday, August 5	Brim Railway Station	10.30 a.m.	Driving	Driving
Thursday, August 5	Warracknabeal Commercial Hotel	12 noon	Driving	2.5 p.m.

STALLION PARADES, TIME TABLE—*continued.*

No. and Date.	Parade.	Time.	Officer Arrives.	Officer Departs.
No. 12.				
Monday, August 2	Barnawartha Railway Station	1.32 p.m.	1.32 p.m.	Driving
Monday, August 2	Wodonga Railway Station	2 p.m.	Driving	Driving
Monday, August 2	Tallangatta Railway Station	4 p.m.	Driving	Driving
Tuesday, August 3	Eskdale Hotel	10 a.m.	Driving	Driving
Tuesday, August 3	Corryong Court House Hotel	4 p.m.	Driving	Driving
Wednesday, August 4	Tintaldra	9 a.m.	Driving	Driving
Wednesday, August 4	Walwa, Walwa Hotel	10 a.m.	Driving	Driving
Thursday, August 5	Oxley Railway Station	9 a.m.	Driving	Driving
Thursday, August 5	Moyhu Railway Station	9.30 a.m.	Driving	Driving
Thursday, August 5	Milawa	11 a.m.	Driving	Driving
Thursday, August 5	Whorouly Hotel	11.30 a.m.	Driving	Driving
Thursday, August 5	Bright, Star Hotel	1.30 p.m.	Driving	Driving
Thursday, August 5	Myrtleford Railway Station	2.15 p.m.	Driving	Driving
Thursday, August 5	Beechworth, Tanswell's Hotel	3.15 p.m.	Driving	Driving
Thursday, August 5	Yackandandah, Yackandandah Hotel	4 p.m.	Driving	Driving
No. 13.				
Monday, August 2	Rochester Show Grounds	1.30 p.m.	1.19 p.m.	4.52 p.m.
Tuesday, August 3	Elmore, Railway Hotel	9 a.m.	5.8 p.m. (2nd)	1.20 p.m.
Tuesday, August 3	Leitchville Hotel	3.30 p.m.	3.23 p.m.	Driving
Tuesday, August 3	Cohuna Show Grounds	4.30 p.m.	Driving	7.35 a.m. (4th)
Wednesday, August 4	Echuca Railway Station	2 p.m.	1.55 p.m.	4.25 p.m.
Thursday, August 5	Castlemaine Railway Station	9 a.m.	7.14 p.m. (4th)	Driving
Thursday, August 5	Maldon Railway Station	10 a.m.	Driving	Driving
Thursday, August 5	Eastville	10.30 a.m.	Driving	Driving
Thursday, August 5	Eddington Hotel	11 a.m.	Driving	Driving
Thursday, August 5	Baringhup	1 p.m.	Driving	Driving
Thursday, August 5	Newstead Railway Station	2.30 p.m.	Driving	Driving
No. 14.				
Monday, August 9	Camperdown, Dalgety's Yards	12 noon	11.58 a.m.	Driving
Monday, August 9	Noorat Hotel	1 p.m.	Driving	Driving
Monday, August 9	Mortlake, Mount Shadwell Hotel	2.30 p.m.	Driving	Driving
Monday, August 9	Terang, Macdonald's Yard	4 p.m.	Driving	5.2 p.m.
Tuesday, August 10	Winchelsea Railway Station	9 a.m.	7.13 p.m. (9th)	10.19 a.m.
Tuesday, August 10	Colac, Johnstone and Co's. Yards	11.15 a.m.	11.7 a.m.	Driving
Tuesday, August 10	Pirron Yallock Hotel	3 p.m.	Driving	Driving
Wednesday, August 11	Cressy Railway Station	11.4 a.m.	11.4 a.m.	Driving
Wednesday, August 11	Vite Vite Railway Station	1 p.m.	Driving	Driving
Wednesday, August 11	Westmere Railway Station	2 p.m.	Driving	Driving
Wednesday, August 11	Lismore Hotel	4 p.m.	Driving	5.31 p.m.
Thursday, August 12	Geelong, Myers-street Sale Yards	9 a.m.	8.35 p.m. (11th)	Driving
Thursday, August 12	Bannockburn Railway Station	11 a.m.	Driving	Driving
Thursday, August 12	Inverleigh, Inverleigh Hotel	12 noon	Driving	Driving
Thursday, August 12	Lara Railway Station	1.51 p.m.	1.51 p.m.	3.50 p.m.
No. 15.				
Monday, August 9	Alexandra Police Station	2 p.m.	12.30 p.m.	4.35 p.m.
Tuesday, August 10	Yea Railway Station	9 a.m.	6.20 p.m. (9th)	10.35 a.m.
Tuesday, August 10	Mansfield, Delatite Hotel	2.30 p.m.	1.55 p.m.	3.30 p.m.
Wednesday, August 11	Seymour Railway Station	9 a.m.	8.55 p.m. (10th)	11.15 a.m.
Thursday, August 12	Wallace Railway Station	10.47 a.m.	10.47 a.m.	Driving
Thursday, August 12	Ballan Railway Station	11.30 a.m.	Driving	12.40 p.m.
Thursday, August 12	Bacchus Marsh, Border Inn Hotel	2 p.m.	1.6 p.m.	Driving
Thursday, August 12	Melton Railway Station	4 p.m.	Driving	7.55 p.m.
No. 16.				
Monday, August 9	Hamilton Police Station	3.40 p.m.	3.40 p.m.	Driving
Tuesday, August 10	Cavendish, Railway Station	9 a.m.	Driving	Driving
Tuesday, August 10	Balmoral Railway Station	10.15 a.m.	Driving	Driving
Tuesday, August 10	Coleraine, Coleraine Hotel	11.30 a.m.	Driving	Driving
Tuesday, August 10	Casterton, Albion Hotel	1.30 p.m.	Driving	Driving
Tuesday, August 10	Merino, Commercial Hotel	3 p.m.	Driving	Driving
Tuesday, August 10	Branxholme Railway Station	4.15 p.m.	Driving	4.45 p.m.
Wednesday, August 11	Heywood Railway Station	9 a.m.	6.5 p.m. (10th)	Driving

STALLION PARADES, TIME TABLE—*continued.*

No. and Date.	Parade.	Time.	Officer Arrives.	Officer Departs.
Wednesday, August 11	Portland Post Office	10.30 a.m.	Driving	1 p.m. (bus)
Wednesday, August 11	Port Fairy, Star of the West Hotel	2.20 p.m.	2.20 p.m.(bus)	2.55 p.m.
Wednesday, August 11	Warrnambool Police Station	4.15 p.m.	4 p.m.	Driving
Thursday, August 12	Koroit, Koroit Hotel	9 a.m.	Driving	Driving
Thursday, August 12	Hawkesdale Hotel	11 a.m.	Driving	Driving
Thursday, August 12	Penshurst Police Station	1 p.m.	Driving	Driving
No. 17.				
Monday, August 16	Kilmany Railway Station	12.30 p.m.	12.30 p.m.	Driving
Monday, August 16	Sale Railway Station	1.30 p.m.	Driving	4.25 p.m.
Monday, August 16	Rosedale, Rosedale Hotel	4.52 p.m.	4.52 p.m.	9.7 a.m. (17th)
Tuesday, August 17	Traralgon Railway Station	9.33 a.m.	9.33 a.m.	12 noon
Tuesday, August 17	Maffra Railway Station	1.30 p.m.	1.30 p.m.	Driving
Tuesday, August 17	Cowwarr Railway Station	3.30 p.m.	Driving	4.23 p.m.
Wednesday, August 18	Warragul Show Grounds	9 a.m.	6.30 p.m. (17th)	10.45 a.m.
Wednesday, August 18	Morwell Railway Station	2 p.m.	11.37 a.m.	5.33 p.m.
Thursday, August 19	Bunyip Railway Station	9.50 a.m.	9.50 a.m.	11.25 a.m.
Thursday, August 19	Dandenong Railway Station	12.19 p.m.	12.19 p.m.	12.33 p.m.
Friday, August 20	Cranbourne Railway Station	9.28 a.m.	9.28 a.m.	11 a.m.
No. 18.				
Monday, August 16	Bairnsdale Sale Yards	2.30 p.m.	2.25 p.m.	Driving
Monday, August 16	Ensay South	5 p.m.	Driving	Driving
Tuesday, August 17	Benambra Hotel	9 a.m.	Driving	Driving
Tuesday, August 17	Omeo, Golden Age Hotel	10 a.m.	Driving	Driving
Tuesday, August 17	Tongio Homestead	11 a.m.	Driving	Driving
Tuesday, August 17	Buchan	4 p.m.	Driving	Driving
Wednesday, August 18	Orbost, Club Hotel	9 a.m.	Driving	Driving
No. 19.				
Monday, August 23	Daylesford, Commercial Hotel	12 noon	11.5 a.m.	2 p.m.
Monday, August 23	Kingston Hotel	3.58 p.m.	3.58 p.m.	Driving
Monday, August 23	Creswick Railway Station	4.30 p.m.	Driving	8.12 a.m. (24th)
Tuesday, August 24	Ballarat Haymarket	9 a.m.	8.57 a.m.	Driving
Tuesday, August 24	Waubra Post Office	11 a.m.	Driving	Driving
Tuesday, August 24	Burrumbeet Railway Station	12 noon	Driving	Driving
Tuesday, August 24	Trawalla Railway Station	1 p.m.	Driving	Driving
Tuesday, August 24	Skipton Post Office	3 p.m.	Driving	Driving
Tuesday, August 24	Linton Post Office	4 p.m.	Driving	Driving
Wednesday, August 25	Romsey Railway Station	10.30 a.m.	10.30 a.m.	2.15 p.m.
Thursday, August 26	Barfold Railway Station	9.30 a.m.	Driving	Driving
Thursday, August 26	Redesdale Hotel	10 a.m.	Driving	Driving
Thursday, August 26	Kyneton Show Grounds	11 a.m.	Driving	1.19 p.m.
No. 20.				
Monday, August 23	Almurta Railway Station	10.3 a.m.	10.3 a.m.	Driving
Monday, August 23	Wonthaggi Railway Station	11.50 a.m.	Driving	Driving
Monday, August 23	Dalyston Hotel	1 p.m.	Driving	Driving
Monday, August 23	Anderson Railway Station	2 p.m.	Driving	6 p.m.
Tuesday, August 24	Meeniyan Railway Station	9 a.m.	Driving	Driving
Tuesday, August 24	Stony Creek Railway Station	9.30 a.m.	Driving	Driving
Tuesday, August 24	Foster Exchange Hotel	11 a.m.	Driving	Driving
Tuesday, August 24	Toora Railway Station	11.45 a.m.	Driving	12.49 p.m.
Tuesday, August 24	Yarram Sale Yards	2 p.m.	1.40 p.m.	7.5 a.m. (25th)
Wednesday, August 25	Korumburra Railway Station	9.25 a.m.	9.25 a.m.	11.17 a.m.
Wednesday, August 25	Leongatha Railway Station	11.36 a.m.	11.36 a.m.	5.55 p.m.
Thursday, August 26	Yarra Glen, Grand Hotel	10 a.m.	9.49 a.m.	11.25 a.m.
Thursday, August 26	Lilydale Railway Station	11.52 a.m.	11.52 a.m.	3.6 p.m.
No. 21.				
Wednesday, September 22	Royal Show	10 a.m.		
Thursday, September 23	Royal Show	9 a.m.		

Orchard and Garden Notes

By Edward E. Pescott, F.L.S.

The Flower Garden.

NO garden is complete unless there are roses growing in it, and as the time for planting is at hand, some suggestions may be helpful. The selection of individual varieties is a matter for personal opinion, but such varieties as Lady Hillingdon, Shot Silk, Radiance, Golden Emblem, Mrs. David McKee, Talisman, Mme. Abel Chatenay, Mrs. Dunlop Best, Betty Uprichard, Ophelia, and Madam Butterfly are still unrivalled for garden decoration.

As a safeguard against root rot, it is a wise precaution to dip all roots in a weak solution of lime-sulphur, say about 1 in 50.

Before planting, trim off all thin and fibrous roots, and cut each strong root with a clean, sharp cut, and in such a way, that the cut surface will face downwards.

In preparing the soil, a hole should be dug out, not too deeply, for the reception of each plant. A shovelful of top soil should be thrown in, and arranged so that it is higher in the centre than at the sides. The roots should be spread on this so that the ends will occupy the lowest situation.

Standard plants should be set at the same depth as that in which they grew in the nursery beds, but bush roses should be planted with the bud or union an inch or so below surface level.

The trampling of some new soil around the stems will complete the planting operation.

The Orchard.

All attention should now be given to orchard sanitation. Bandages, both chemical and bag, must be removed from apple and pear trees, and destroyed by burning. Fallen fruits should be gathered and destroyed. Apples for juice to be used in the lures, may be stacked in casks or large jars. Sheds should be made moth proof as far as possible.

Recently in one "moth proof" shed a moth trap was noticed at the bottom of the window. A small zinc trough was fastened on the window ledge. It was the full length of the window and a couple of inches wide and deep. This was kept filled with lure mixture through spring and summer, and many hundreds of moths were so trapped.

All lure pots should be cleaned out and stored away for next season. Cracked and split props must be burned. Old cases should be treated with steam or hot water before stacking. During the winter, all rough bark, especially on pear trees, should be scraped, and all cracks and crevices searched for larvae, and then filled with earth or cement.

To guard against shot hole of apricots and rust, all foliage should be gathered and destroyed, and the trees sprayed at leaf fall with Bordeaux mixture at 6–4–40 strength.

"Mummy" fruit affected with brown rot from stone fruit trees should be destroyed by burning.

The Vegetable Garden.

When clearing out the old tomato plants, it will be wise to select some healthy, typical fruits, not over-grown, to be saved for seed. When the fruits are quite ripe and soft, the seed may be washed out and floated on to a piece of paper to dry. When dry, a little surface dusting of sulphur will protect them from mould and other fungi that may attack them while they are stored.

Asparagus beds should be cut down and cleaned from all weeds. A good top-dressing should be given of fresh, rich soil or leaf mould, into which some coarse bone-dust may be mixed. A dressing of five or six ounces of sulphate of potash per

square yard will also be valuable. The bed should be kept free from weeds all through the winter.

Rhubarb crowns should be lifted, and replanted in soil which has been heavily and freshly manured. The manure should be placed almost in contact with the crowns.

Supplies of broad beans and green peas may be sown. The dwarf broad Windsor is a heavy bearing bean. For autumn and winter sowing, it will be wise to dust the seed with good, fresh lime before covering it with soil; this will held to check the ravages of earth pests.

In late districts, onion seed may be sown in beds, and seedlings planted out, both for spring onions and for late bulbs. Onions require a very rich soil and they must be kept quite free from weeds.

Boort Fodder Conservation Competition *(Continued from page 235.)*

1,600 acres is under cultivation. Six hundred acres was under wheat last season and 400 acres of oats was sown on stubble, while 600 acres of fallow was prepared. Some 200 acres of the oat stubble was sown with Wimmera rye grass last year. The grazing stock comprised 500 ewes, 350 weaners, and 18 cattle, while 27 horses are stabled.

Two hundred and fifteen tons of good quality cereal hay was stacked on mouse-proof stands. One of these stands, 66 feet long by 20 feet wide, cost £24 to construct. The stacks were well thatched and well fenced off from the stock. The hay is chaffed and mixed with crushed grain, and fed out in four self-feeders of the "Yarrawonga" type. One thousand sheep were hand fed last year.

One thousand bags of feed oats were stored in a corrugated iron barn, and 15 tons of chaff were in a sheet iron room adjacent to the stable. Mr. Poxon has just completed a barn of corrugated iron, complete with concrete floor, at a cost of £140, in which can be stored 2,200 bags of seed and feed grain.

Four hundred bags of feed barley was stored in a small silo. More than the actual requirements were stored, despite the large amount of fodder which was required for the draught horses.

Mr. Poxon considers the cost of chaffing and feeding out to the sheep in the paddock to be 15s. per ton.

Practically a whole day had to be spent in assessing the fodder reserves on the property of Messrs. J. D. Fyfe and Son, where the third prize was awarded. The visit to this property was full of interest. Some 700 acres is irrigated out of a total of 5,000 acres, the greater part being in natural pasture. Fullest advantage has been taken of irrigation on this property, and splendid lucerne stands and good pastures were seen. Both lucerne and meadow hay had been cut and stored at relatively low cost. Mr. D. Fyfe, jun., considered that such hay could be produced and stored in the bale for 25s. per ton. In the baled state, handling in feeding out was reduced to a minimum, and the total cost for feeding out was only 3s. per ton. Three hundred tons of lucerne hay had been baled, the total number of bales being approximately 6,800. These bales were under cover in three sheds or barns. Mr. Fyfe had constructed recently a corrugated iron hay shed 86 feet long by 74 feet wide, and 12 feet high at the walls; designed to hold 550 tons of baled hay. This shed cost £320, the comparatively low cost being accounted for by the use of good bush timber for the supporting pillars.

In other stacks distributed over the property, all well fenced off from stock, Mr. Fyfe had a further 190 tons of lucerne and meadow hay, while 25 tons of cereal hay had been conserved in another stack yard.

The conserving of fodder for the season had not been completed at the time of inspection. In several paddocks good crops of lucerne were practically ready to be cut for hay. A large area of irrigated Wimmera rye grass and subterranean clover pasture was available for winter grazing, and the first autumn irrigation of these pastures was to commence shortly.

Mr. V. H. Lanyon's exhibit was excellent, and here a small irrigated area of lucerne constituted a valuable adjunct to the dry area. The water is pumped from Lake Leaghur. In two cuts 60 tons of good quality lucerne hay had been harvested from 30 acres. Sixty tons of silage had been conserved in a pit silo.

This is a very cheap method of conserving a succulent and nutritious supplementary fodder, particularly where the stock are on dry feed for a considerable portion of the year, and it is to be wondered at that more farmers do not take full advantage of it. Pit silage can be produced for under 10s. per ton.

It is to be hoped that this inaugural competition will stimulate interest and enthusiasm in the district for fodder conservation, and that if the competition is continued in the future, a much larger number of farmers will compete.

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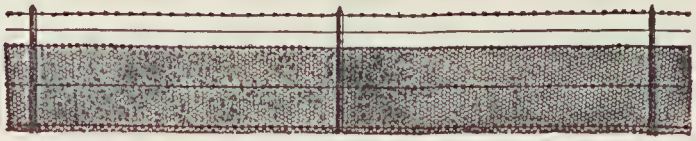

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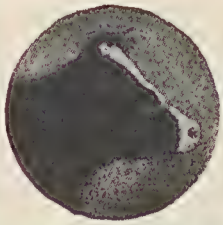

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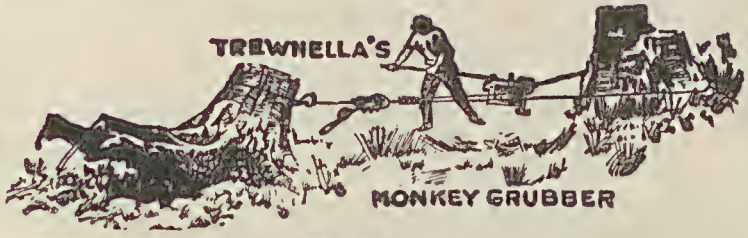

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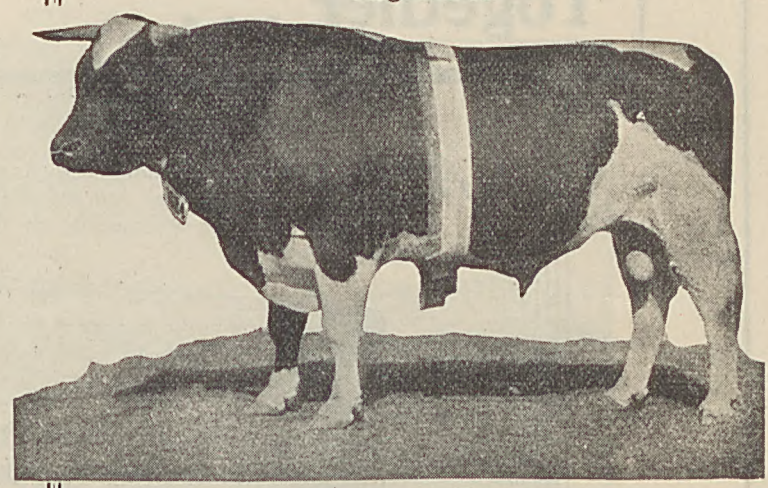

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3. VICTORIA MIKADO (C.R.) *Born 1st February, 1936*
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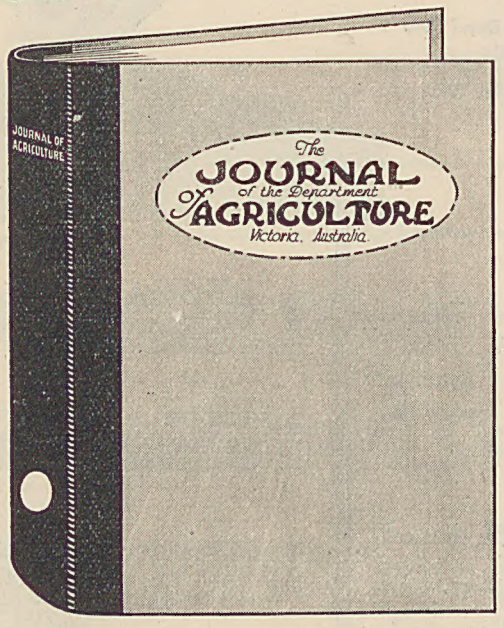

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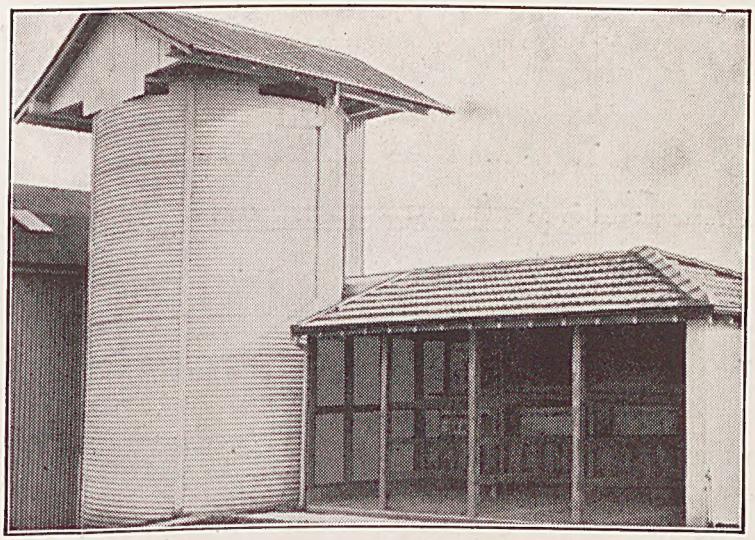

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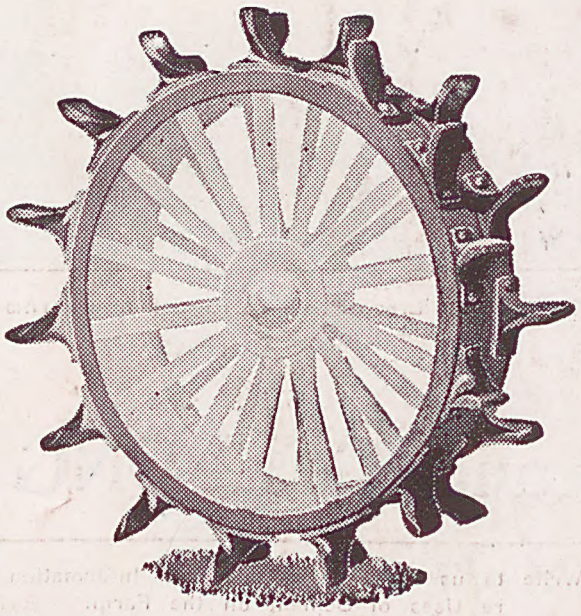

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